OTU_97;size=13087;.csv

Chamaedrilus cognettii

Enchytraeidae

Haplotaxida

91.71

Chamaedrilus cognettii isolate CE1043 cytochrome c	KF672366	91.71	100	3.80573e−81	Haplotaxida	Enchytraeidae	Chamaedrilus cognettii
Cognettia cognetti isolate CE1042 cytochrome oxida	GU902044	91.71	100	3.80573e−81	Haplotaxida	Enchytraeidae	Chamaedrilus cognettii
Guestphalinus sp. PDW−2010 isolate CE865 cytochrom	GU592303	86.57	99.54	2.10675e−65	Lumbriculida	Lumbriculidae	Guestphalinus sp. PDW−2010
Chamaedrilus chalupskyi isolate CE4759 cytochrome	KF672408	85.65	99.54	1.09132e−62	Haplotaxida	Enchytraeidae	Chamaedrilus chalupskyi
Chamaedrilus chalupskyi isolate CE4026 cytochrome	KF672404	85.65	99.54	1.09132e−62	Haplotaxida	Enchytraeidae	Chamaedrilus chalupskyi
Chamaedrilus chalupskyi isolate CE2055 cytochrome	KF672402	85.65	99.54	1.09132e−62	Haplotaxida	Enchytraeidae	Chamaedrilus chalupskyi
Chamaedrilus chalupskyi isolate CE1720 cytochrome	KF672401	85.65	99.54	1.09132e−62	Haplotaxida	Enchytraeidae	Chamaedrilus chalupskyi
Chamaedrilus chalupskyi isolate CE1719 cytochrome	KF672400	85.65	99.54	1.09132e−62	Haplotaxida	Enchytraeidae	Chamaedrilus chalupskyi
Chamaedrilus chalupskyi isolate CE11325 cytochrome	KF672399	85.65	99.54	1.09132e−62	Haplotaxida	Enchytraeidae	Chamaedrilus chalupskyi
Chamaedrilus chalupskyi isolate CE823 cytochrome c	KF672410	85.19	99.54	1.3295e−61	Haplotaxida	Enchytraeidae	Chamaedrilus chalupskyi
Nais communis mitochondrial partial COI gene for c	LN810253	85.12	99.08	4.64043e−61	Haplotaxida	Tubificidae	Nais communis
Nais sp. morphotype A3 isolate CE3492 cytochrome o	JQ519872	85.12	99.08	4.64043e−61	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Hormogaster arenicola voucher BIO8 cytochrome oxid	JN209499	86.27	94.01	1.61967e−60	Haplotaxida	Hormogastridae	Hormogaster arenicola
Hormogaster arenicola voucher BIO3 cytochrome oxid	JN209498	86.27	94.01	1.61967e−60	Haplotaxida	Hormogastridae	Hormogaster arenicola
Hormogaster arenicola isolate BIO2 cytochrome oxid	HQ621972	86.27	94.01	1.61967e−60	Haplotaxida	Hormogastridae	Hormogaster arenicola
Chamaedrilus chlorophilus isolate CE19033 cytochro	KM874822	84.72	99.54	5.6532e−60	Haplotaxida	Enchytraeidae	Chamaedrilus chlorophilus
Chamaedrilus chlorophilus isolate SM86 cytochrome	KM874821	84.72	99.54	5.6532e−60	Haplotaxida	Enchytraeidae	Chamaedrilus chlorophilus
Chamaedrilus chlorophilus isolate SM23 cytochrome	KM874819	84.72	99.54	5.6532e−60	Haplotaxida	Enchytraeidae	Chamaedrilus chlorophilus
Chamaedrilus aff. sphagnetorum C SM−2014 isolate C	KF672412	84.72	99.54	5.6532e−60	Haplotaxida	Enchytraeidae	Chamaedrilus aff. sphagnetorum C SM−2014
Chamaedrilus aff. sphagnetorum C SM−2014 isolate C	KF672411	84.72	99.54	5.6532e−60	Haplotaxida	Enchytraeidae	Chamaedrilus aff. sphagnetorum C SM−2014
Nais sp. morphotype A3 isolate CE3771 cytochrome o	JQ519878	85.31	97.24	5.6532e−60	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Nais sp. morphotype A3 isolate CE1144 cytochrome o	JQ519827	85.31	97.24	5.6532e−60	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Nais sp. morphotype A3 isolate CE3907 cytochrome o	JQ519882	84.65	99.08	1.97316e−59	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Nais sp. morphotype A4 isolate CE2911 cytochrome o	JQ519866	84.65	99.08	1.97316e−59	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A4
Nais sp. morphotype A4 isolate CE2910 cytochrome o	JQ519865	84.65	99.08	1.97316e−59	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A4
Henlea perpusilla voucher 430 cytochrome c oxidase	KR872332	84.26	99.54	6.887e−59	Haplotaxida	Enchytraeidae	Henlea perpusilla
Chamaedrilus pseudosphagnetorum isolate CE4024 cyt	KF672420	84.26	99.54	6.887e−59	Haplotaxida	Enchytraeidae	Chamaedrilus pseudosphagnetorum
Chamaedrilus pseudosphagnetorum isolate CE4023 cyt	KF672419	84.26	99.54	6.887e−59	Haplotaxida	Enchytraeidae	Chamaedrilus pseudosphagnetorum
Chamaedrilus pseudosphagnetorum isolate CE3974 cyt	KF672418	84.26	99.54	6.887e−59	Haplotaxida	Enchytraeidae	Chamaedrilus pseudosphagnetorum
Chamaedrilus pseudosphagnetorum isolate CE3973 cyt	KF672417	84.26	99.54	6.887e−59	Haplotaxida	Enchytraeidae	Chamaedrilus pseudosphagnetorum
Marionina sp. G LM−2012 clone LM139 cytochrome c o	JN799928	84.26	99.54	6.887e−59	Haplotaxida	Enchytraeidae	Marionina sp. G LM−2012
Marionina sp. G LM−2012 clone LM144 cytochrome c o	JN799933	83.8	99.54	2.92843e−57	Haplotaxida	Enchytraeidae	Marionina sp. G LM−2012
Marionina sp. G LM−2012 clone LM143 cytochrome c o	JN799932	83.8	99.54	2.92843e−57	Haplotaxida	Enchytraeidae	Marionina sp. G LM−2012
Marionina sp. G LM−2012 clone LM142 cytochrome c o	JN799931	83.8	99.54	2.92843e−57	Haplotaxida	Enchytraeidae	Marionina sp. G LM−2012
Nais sp. morphotype A3 isolate CE3500 cytochrome o	JQ519875	84.36	97.24	2.92843e−57	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A3
Nais communis isolate NAI2fd cytochrome oxidase su	AF534845	84.36	97.24	2.92843e−57	Haplotaxida	Tubificidae	Nais communis
Aporrectodea rosea isolate RSEV1 cytochrome c oxid	KF441952	83.72	99.08	1.02212e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Chamaedrilus sphagnetorum isolate CE21061 cytochro	KM874816	83.72	99.08	1.02212e−56	Haplotaxida	Enchytraeidae	Chamaedrilus sphagnetorum
Chamaedrilus sphagnetorum isolate SM08 cytochrome	KM874811	83.72	99.08	1.02212e−56	Haplotaxida	Enchytraeidae	Chamaedrilus sphagnetorum
Chamaedrilus aff. sphagnetorum A SM−2014 isolate C	KF672397	83.72	99.08	1.02212e−56	Haplotaxida	Enchytraeidae	Chamaedrilus aff. sphagnetorum A SM−2014
Chamaedrilus aff. sphagnetorum A SM−2014 isolate C	KF672393	83.72	99.08	1.02212e−56	Haplotaxida	Enchytraeidae	Chamaedrilus aff. sphagnetorum A SM−2014
Chamaedrilus aff. sphagnetorum A SM−2014 isolate C	KF672387	83.72	99.08	1.02212e−56	Haplotaxida	Enchytraeidae	Chamaedrilus aff. sphagnetorum A SM−2014
Chamaedrilus aff. sphagnetorum A SM−2014 isolate C	KF672386	83.72	99.08	1.02212e−56	Haplotaxida	Enchytraeidae	Chamaedrilus aff. sphagnetorum A SM−2014
Chamaedrilus aff. sphagnetorum A SM−2014 isolate C	KF672384	83.72	99.08	1.02212e−56	Haplotaxida	Enchytraeidae	Chamaedrilus aff. sphagnetorum A SM−2014
Chamaedrilus aff. sphagnetorum A SM−2014 isolate C	KF672381	83.72	99.08	1.02212e−56	Haplotaxida	Enchytraeidae	Chamaedrilus aff. sphagnetorum A SM−2014
Cognettia sphagnetorum isolate CE832 cytochrome ox	GU902045	83.72	99.08	1.02212e−56	Haplotaxida	Enchytraeidae	Chamaedrilus sphagnetorum
Vejdovskyella sp. 1 AEB−2009 cytochrome oxidase su	GQ355377	83.72	99.08	1.02212e−56	Haplotaxida	Tubificidae	Vejdovskyella sp. 1 AEB−2009
Invertebrate environmental sample clone A01 cytoch	GU070896	83.96	97.7	1.02212e−56			invertebrate environmental sample
Aporrectodea rosea isolate ROHB2 cytochrome c oxid	KF441993	83.33	99.54	3.56756e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate ROHB1 cytochrome c oxid	KF441992	83.33	99.54	3.56756e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RELM5 cytochrome c oxid	KF441930	83.33	99.54	3.56756e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RELM4 cytochrome c oxid	KF441929	83.33	99.54	3.56756e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RELM1 cytochrome c oxid	KF441928	83.33	99.54	3.56756e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RDJE6 cytochrome c oxid	KF441927	83.33	99.54	3.56756e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RDJE5 cytochrome c oxid	KF441926	83.33	99.54	3.56756e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RDJE4 cytochrome c oxid	KF441925	83.33	99.54	3.56756e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RDJE2 cytochrome c oxid	KF441924	83.33	99.54	3.56756e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RDJE1 cytochrome c oxid	KF441923	83.33	99.54	3.56756e−56	Haplotaxida	Lumbricidae	Aporrectodea rosea
Marionina sp. G LM−2012 clone LM084 cytochrome c o	JN799923	83.33	99.54	3.56756e−56	Haplotaxida	Enchytraeidae	Marionina sp. G LM−2012
Stercutus niveus isolate CE841 cytochrome oxidase	GU902112	83.33	99.54	3.56756e−56	Haplotaxida	Enchytraeidae	Stercutus niveus
Chamaedrilus pseudosphagnetorum isolate SM93 cytoc	KM874825	84.13	95.85	1.2452e−55	Haplotaxida	Enchytraeidae	Chamaedrilus pseudosphagnetorum
Chamaedrilus pseudosphagnetorum isolate SM91 cytoc	KM874823	84.13	95.85	1.2452e−55	Haplotaxida	Enchytraeidae	Chamaedrilus pseudosphagnetorum
Chamaedrilus sphagnetorum isolate SM125 cytochrome	KM874810	83.26	99.08	1.2452e−55	Haplotaxida	Enchytraeidae	Chamaedrilus sphagnetorum
Chamaedrilus pseudosphagnetorum isolate CE4055 cyt	KF672422	84.13	95.85	1.2452e−55	Haplotaxida	Enchytraeidae	Chamaedrilus pseudosphagnetorum
Chamaedrilus aff. sphagnetorum A SM−2014 isolate C	KF672398	83.26	99.08	1.2452e−55	Haplotaxida	Enchytraeidae	Chamaedrilus aff. sphagnetorum A SM−2014
Chamaedrilus aff. sphagnetorum A SM−2014 isolate C	KF672390	83.26	99.08	1.2452e−55	Haplotaxida	Enchytraeidae	Chamaedrilus aff. sphagnetorum A SM−2014
Nais sp. morphotype A4 isolate CE2087 cytochrome o	JQ519856	83.26	99.08	1.2452e−55	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A4
Chaetogaster diastrophus cytochrome oxidase subuni	GQ355367	83.26	99.08	1.2452e−55	Haplotaxida	Tubificidae	Chaetogaster diastrophus
Chamaedrilus varisetosus isolate CE20046 cytochrom	KP878479	83.49	97.7	4.34617e−55	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19831 cytochrom	KP878472	83.49	97.7	4.34617e−55	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19677 cytochrom	KP878467	83.49	97.7	4.34617e−55	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19113 cytochrom	KP878465	82.95	100	4.34617e−55	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19052 cytochrom	KP878464	83.49	97.7	4.34617e−55	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19716 cytochrom	KP878461	83.49	97.7	4.34617e−55	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19031 cytochrom	KP878460	83.49	97.7	4.34617e−55	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate SM172 cytochrome	KP878458	82.95	100	4.34617e−55	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate SM171 cytochrome	KP878457	82.95	100	4.34617e−55	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus aff. glandulosus A SM−2014 isolate CE	KF672425	82.95	100	4.34617e−55	Haplotaxida	Enchytraeidae	Chamaedrilus aff. glandulosus A SM−2014
Helobdella simplex voucher LTT232_Gullo cytochrome	KF683197	84.65	93.09	4.34617e−55	Rhynchobdellida	Glossiphoniidae	Helobdella simplex
Marionina sp. F LM−2012 clone LM130 cytochrome c o	JN799927	83.49	97.7	4.34617e−55	Haplotaxida	Enchytraeidae	Marionina sp. F LM−2012
Enchytraeus buchholzi cytochrome oxidase subunit I	KX348269	82.87	99.54	1.51696e−54	Haplotaxida	Enchytraeidae	Enchytraeus buchholzi
Aporrectodea rosea isolate RNAV4 cytochrome c oxid	KF441986	82.87	99.54	1.51696e−54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RMOR5 cytochrome c oxid	KF441982	82.87	99.54	1.51696e−54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RLHO5 cytochrome c oxid	KF441963	82.87	99.54	1.51696e−54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RLHO2 cytochrome c oxid	KF441962	82.87	99.54	1.51696e−54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RPEP4 cytochrome c oxid	KF441941	82.87	99.54	1.51696e−54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RPEP3 cytochrome c oxid	KF441940	82.87	99.54	1.51696e−54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RPEP2 cytochrome c oxid	KF441939	82.87	99.54	1.51696e−54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Aporrectodea rosea isolate RCOL2 cytochrome c oxid	KF441896	82.87	99.54	1.51696e−54	Haplotaxida	Lumbricidae	Aporrectodea rosea
Nais sp. morphotype A1 isolate CE2276 cytochrome o	JQ519859	82.87	99.54	1.51696e−54	Haplotaxida	Tubificidae	Nais communis/variabilis complex sp. A1
Enchytraeidae sp. DPEW79485 voucher EW−SJ−892 cyto	GU014149	82.87	99.54	1.51696e−54	Haplotaxida	Enchytraeidae	Enchytraeidae sp. DPEW79485
Henlea ventriculosa voucher 691 cytochrome c oxida	KR872326	82.79	99.08	5.29472e−54	Haplotaxida	Enchytraeidae	Henlea ventriculosa
Chamaedrilus varisetosus isolate CE20021 cytochrom	KP878473	83.02	97.7	5.29472e−54	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19823 cytochrom	KP878471	83.02	97.7	5.29472e−54	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19819 cytochrom	KP878470	83.02	97.7	5.29472e−54	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19818 cytochrom	KP878469	83.02	97.7	5.29472e−54	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19749 cytochrom	KP878468	83.02	97.7	5.29472e−54	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19117 cytochrom	KP878466	83.02	97.7	5.29472e−54	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE18904 cytochrom	KP878463	83.02	97.7	5.29472e−54	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus
Chamaedrilus varisetosus isolate CE19832 cytochrom	KP878459	83.02	97.7	5.29472e−54	Haplotaxida	Enchytraeidae	Chamaedrilus varisetosus