

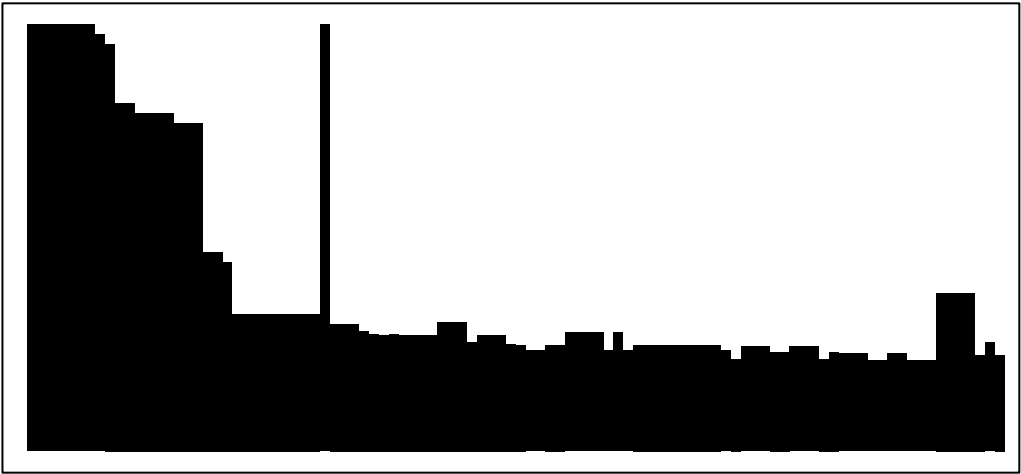
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Elmis aenea

Elmidae

Coleoptera

100



Elmis aenea isolate 21 cytochrome oxidase subunit	KJ381175	100	100	1.41832e-105	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 15 cytochrome oxidase subunit	KJ381172	100	100	1.41832e-105	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 13 cytochrome oxidase subunit	KJ381170	100	100	1.41832e-105	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 10 cytochrome oxidase subunit	KJ381167	100	100	1.41832e-105	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 5 cytochrome oxidase subunit I	KJ381162	100	100	1.41832e-105	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 1 cytochrome oxidase subunit I	KJ381158	100	100	1.41832e-105	Coleoptera	Elmidae	Elmis aenea
Elmis aenea voucher ZMUO<FIN>:006129 cytochrome ox	KJ963580	100	100	1.41832e-105	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 4 cytochrome oxidase subunit I	KJ381161	99.54	100	6.03084e-104	Coleoptera	Elmidae	Elmis aenea
Elmis perezi mitochondrial partial COI gene for cy	HF947938	99.08	100	7.34706e-103	Coleoptera	Elmidae	Elmis perezi
Elmis rioloides isolate 15 cytochrome oxidase subu	KJ381193	96.31	100	1.02126e-94	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 14 cytochrome oxidase subu	KJ381192	96.31	100	1.02126e-94	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 11 cytochrome oxidase subu	KJ381189	95.85	100	4.3425e-93	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 9 cytochrome oxidase subun	KJ381187	95.85	100	4.3425e-93	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 7 cytochrome oxidase subun	KJ381185	95.85	100	4.3425e-93	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides voucher BCZSMAQU00969 cytochrome o	KM445562	95.85	100	4.3425e-93	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 3 cytochrome oxidase subun	KJ381181	95.39	100	5.29025e-92	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 2 cytochrome oxidase subun	KJ381180	95.39	100	5.29025e-92	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 1 cytochrome oxidase subun	KJ381179	95.39	100	5.29025e-92	Coleoptera	Elmidae	Elmis rioloides
Elminae sp. GENSP01 mitochondrion, partial genome	JX412724	89.35	99.54	1.51702e-73	Coleoptera	Elmidae	Elminae sp. GENSP01
Elmis maugetti isolate 3 cytochrome oxidase subuni	KJ381196	89.35	99.54	1.51702e-73	Coleoptera	Elmidae	Elmis maugetti
Elmis maugetti isolate 1 cytochrome oxidase subuni	KJ381194	88.89	99.54	1.84811e-72	Coleoptera	Elmidae	Elmis maugetti
Muscidae sp. BOLD:ABZ7314 voucher BIOUG17253-B05 c	KR513159	86.45	98.62	2.56891e-64	Diptera	Muscidae	Muscidae sp. BOLD:ABZ7314
Graphomya sp. BOLD:ABZ7314 voucher BIOUG08442-D10	KM910850	86.45	98.62	2.56891e-64	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Graphomya sp. BOLD:ABZ7314 voucher BIOUG06143-E10	KM909489	86.45	98.62	2.56891e-64	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Graphomya sp. BOLD:ABZ7314 voucher BIOUG08408-B09	KM905558	86.45	98.62	2.56891e-64	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Graphomya sp. BOLD:ABZ7314 voucher BIOUG08441-B05	KM903992	86.45	98.62	2.56891e-64	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Graphomya sp. BOLD:ABZ7314 voucher BIOUG08774-E10	KM900555	86.45	98.62	2.56891e-64	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Graphomya sp. BOLD:ABZ7314 voucher BIOUG08290-D07	KM629461	86.45	98.62	2.56891e-64	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Graphomya sp. BOLD:ABZ7314 voucher 08BBDIP-1539 cy	KM570970	86.45	98.62	2.56891e-64	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Graphomya idessa voucher BUIC-CHU0984 cytochrome o	KC499672	86.45	98.62	2.56891e-64	Diptera	Muscidae	Graphomya idessa
Elmis aenea isolate 2 cytochrome oxidase subunit I	KJ381159	100	54.52	8.96638e-64	Coleoptera	Elmidae	Elmis aenea
Graphomya sp. BOLD:ABZ7314 voucher BIOUG04342-G04	KM926992	85.98	98.62	3.12957e-63	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Graphomya sp. BOLD:ABZ7314 voucher BIOUG04929-B02	KM631625	85.98	98.62	3.12957e-63	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Graphomya sp. BOLD:ABZ7314 voucher 08BBDIP-1631 cy	KM571076	85.98	98.62	3.12957e-63	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Elmis obscura voucher BCZSMAQU00968 cytochrome oxi	KM446204	85.65	99.54	1.09233e-62	Coleoptera	Elmidae	Elmis obscura
Graphomya sp. BOLD:ABZ3460 voucher 08BBDIP-1764 cy	KM569800	85.51	98.62	1.33073e-61	Diptera	Muscidae	Graphomya sp. BOLD:ABZ3460
Micropeplus browni cytochrome oxidase subunit 1 (C	KM255111	85.45	98.16	1.33073e-61	Coleoptera	Staphylinidae	Micropeplus browni
Graphomya transitionis voucher BUIC-AK115 cytochro	KC499689	85.51	98.62	1.33073e-61	Diptera	Muscidae	Graphomya transitionis
Graphomya ungava voucher zmuc00023288 cytochrome o	KT959838	85.45	98.16	4.6447e-61	Diptera	Muscidae	Graphomya ungava
Graphomya ungava voucher zmuc00023290 cytochrome o	KT959644	85.45	98.16	4.6447e-61	Diptera	Muscidae	Graphomya ungava
Graphomya ungava voucher zmuc00023289 cytochrome o	KT959606	85.45	98.16	4.6447e-61	Diptera	Muscidae	Graphomya ungava
Graphomya sp. BOLD:AAG1735 voucher BIOUG06827-B06	KM950264	85.45	98.16	4.6447e-61	Diptera	Muscidae	Graphomya sp. BOLD:AAG1735
Agrypnus scrofa voucher Ascrs1 cytochrome oxidase	KM612420	86.06	95.85	4.6447e-61	Coleoptera	Elateridae	Agrypnus scrofa
Agrypnus scrofa voucher Ascrs6 cytochrome oxidase	KM612416	86.06	95.85	4.6447e-61	Coleoptera	Elateridae	Agrypnus scrofa
Agrypnus scrofa voucher Ascrs5 cytochrome oxidase	KM612415	86.06	95.85	4.6447e-61	Coleoptera	Elateridae	Agrypnus scrofa
Limnius opacus voucher BCZSMAQU01031 cytochrome ox	KM439306	85.12	99.08	4.6447e-61	Coleoptera	Elmidae	Limnius opacus
Nicrophorus hybridus voucher DSSC93943Nic cytochro	EU147438	85.45	98.16	4.6447e-61	Coleoptera	Silphidae	Nicrophorus hybridus
Nicrophorus hybridus voucher AF DSSC007295Nic cyto	EF537627	85.45	98.16	4.6447e-61	Coleoptera	Silphidae	Nicrophorus hybridus
Nicrophorus hybridus voucher AF DSSC006357Nic cyto	EF537626	85.45	98.16	4.6447e-61	Coleoptera	Silphidae	Nicrophorus hybridus
Leiodidae sp. BOLD:AAM7678 voucher BIOUG06157-G12	KM844353	85.05	98.62	1.62116e-60	Coleoptera	Leiodidae	Leiodidae sp. BOLD:AAM7678
Graphomya minor voucher PROBE-TW0075 cytochrome ox	KR522289	84.98	98.16	5.6584e-60	Diptera	Muscidae	Graphomya minor
Psephenus sp. gmycB11 haplotype HapB84 cytochrome	KR134493	84.72	99.54	5.6584e-60	Coleoptera	Psephenidae	Psephenus sp. gmycB11
Psephenus sp. gmycB11 haplotype HapB83 cytochrome	KR134492	84.72	99.54	5.6584e-60	Coleoptera	Psephenidae	Psephenus sp. gmycB11
Graphomya sp. BOLD:AAG1735 voucher BIOUG06721-F12	KM955678	84.98	98.16	5.6584e-60	Diptera	Muscidae	Graphomya sp. BOLD:AAG1735
Graphomya minor voucher 08BBDIP-1528 cytochrome ox	KM571711	84.98	98.16	5.6584e-60	Diptera	Muscidae	Graphomya minor
Agrypnus tsushimensis voucher Atsmt1 cytochrome ox	KM612430	85.58	95.85	5.6584e-60	Coleoptera	Elateridae	Agrypnus tsushimensis
Agrypnus tsukamotoi voucher Atsut4 cytochrome oxid	KM612425	85.58	95.85	5.6584e-60	Coleoptera	Elateridae	Agrypnus tsukamotoi
Agrypnus scrofa voucher Ascrs4 cytochrome oxidase	KM612417	85.58	95.85	5.6584e-60	Coleoptera	Elateridae	Agrypnus scrofa
Nicrophorus investigator voucher BFB_Col_FK_11007	KM450577	85.58	95.85	5.6584e-60	Coleoptera	Silphidae	Nicrophorus investigator
Proteinus ovalis voucher BFB_Col_FK_9082 cytochrom	KM450482	84.72	99.54	5.6584e-60	Coleoptera	Staphylinidae	Proteinus ovalis
Nicrophorus investigator voucher GBOL_Col_FK_6034	KM445565	85.58	95.85	5.6584e-60	Coleoptera	Silphidae	Nicrophorus investigator
Proteinus ovalis voucher GBOL_Col_FK_5580 cytochro	KM444118	84.72	99.54	5.6584e-60	Coleoptera	Staphylinidae	Proteinus ovalis
Selatosomus melancholicus voucher ZMUO<FIN>:006911	KJ963163	84.98	98.16	5.6584e-60	Coleoptera	Elateridae	Selatosomus melancholicus
Selatosomus melancholicus voucher ZMUO<FIN>:001548	KJ962206	84.98	98.16	5.6584e-60	Coleoptera	Elateridae	Selatosomus melancholicus
Selatosomus melancholicus voucher 799 cytochrome c	KJ433189	84.98	98.16	5.6584e-60	Coleoptera	Elateridae	Selatosomus melancholicus
Graphomya sp. AKR voucher BUIC-CHU0991 cytochrome	KC499687	84.98	98.16	5.6584e-60	Diptera	Muscidae	Graphomya sp. AKR
Graphomya sp. AKR voucher BUIC-CHU0973 cytochrome	KC499686	84.98	98.16	5.6584e-60	Diptera	Muscidae	Graphomya sp. AKR
Graphomya sp. AKR voucher BUIC-CHU0982 cytochrome	KC499681	84.98	98.16	5.6584e-60	Diptera	Muscidae	Graphomya sp. AKR
Graphomya sp. AKR voucher BUIC-CHU0988 cytochrome	KC499679	84.98	98.16	5.6584e-60	Diptera	Muscidae	Graphomya sp. AKR
Graphomya sp. AKR voucher BUIC-CHU0993 cytochrome	KC499678	84.98	98.16	5.6584e-60	Diptera	Muscidae	Graphomya sp. AKR
Graphomya sp. AKR voucher BUIC-CHU0980 cytochrome	KC499675	84.98	98.16	5.6584e-60	Diptera	Muscidae	Graphomya sp. AKR
Chrysobothris chryseola isolate Cc2 cytochrome oxi	HQ341495	84.72	99.54	5.6584e-60	Coleoptera	Buprestidae	Chrysobothris chryseola
Dubiraphia sp. BOLD:AAF6867 voucher BIOUG01315-F08	KR483924	84.33	100	1.97498e-59	Coleoptera	Elmidae	Dubiraphia sp. BOLD:AAF6867
Geomyphilus pierai mitochondrial partial COI gene	LN832270	84.91	97.7	1.97498e-59	Coleoptera	Scarabaeidae	Geomyphilus pierai
Geomyphilus pierai mitochondrial partial COI gene	LN832256	84.91	97.7	1.97498e-59	Coleoptera	Scarabaeidae	Geomyphilus pierai
Geomyphilus pierai mitochondrial partial COI gene	LN832251	84.91	97.7	1.97498e-59	Coleoptera	Scarabaeidae	Geomyphilus pierai
Aphodius fasciatus voucher ZMUO<FIN>:000976 cytoch	KJ967505	84.65	99.08	1.97498e-59	Coleoptera	Scarabaeidae	Aphodius fasciatus
Aphodius fasciatus voucher ZMUO<FIN>:007337 cytoch	KJ963448	84.65	99.08	1.97498e-59	Coleoptera	Scarabaeidae	Aphodius fasciatus
Thinobius ciliatus voucher ZMUO<FIN>:007849 cytoch	KJ962667	84.91	97.7	1.97498e-59	Coleoptera	Staphylinidae	Thinobius ciliatus
Cerapeplus sp. BOLD:ABW5252 voucher CNCCOLVG000028	KF408037	84.91	97.7	1.97498e-59	Coleoptera	Staphylinidae	Cerapeplus sp. BOLD:ABW5252
Cerapeplus sp. BOLD:ABW5252 voucher CNCCOLVG000028	KF408002	84.91	97.7	1.97498e-59	Coleoptera	Staphylinidae	Cerapeplus sp. BOLD:ABW5252
Aphodius fimetarius isolate H27 cytochrome oxidase	KJ740250	84.33	100	1.97498e-59	Coleoptera	Scarabaeidae	Aphodius fimetarius
Sclerocyphon sp. B-7 cytochrome oxidase subunit I	AY762858	84.65	99.08	1.97498e-59	Coleoptera	Psephenidae	Sclerocyphon sp. B-7
Graphomya americana voucher BIOUG06192-F07 cytochr	KR439732	84.58	98.62	6.89335e-59	Diptera	Muscidae	Graphomya americana
Leiodidae sp. BOLD:AAM7678 voucher BIOUG06157-G04	KM843329	84.58	98.62	6.89335e-59	Coleoptera	Leiodidae	Leiodidae sp. BOLD:AAM7678
Leiodidae sp. BOLD:AAM7678 voucher BIOUG03582-A12	KM842512	84.58	98.62	6.89335e-59	Coleoptera	Leiodidae	Leiodidae sp. BOLD:AAM7678
Proteinus ovalis voucher GBOL_Col_FK_8347 cytochro	KM449112	84.26	99.54	6.89335e-59	Coleoptera	Staphylinidae	Proteinus ovalis
Proteinus ovalis voucher GBOL_Col_FK_8800 cytochro	KM440737	84.26	99.54	6.89335e-59	Coleoptera	Staphylinidae	Proteinus ovalis
Graphomya minuta voucher BUIC-CHU0990 cytochrome o	KC499674	84.58	98.62	6.89335e-59	Diptera	Muscidae	Graphomya minuta
Graphomya americana voucher BUIC-AK114 cytochrome	KC499671	84.58	98.62	6.89335e-59	Diptera	Muscidae	Graphomya americana
Chrysobothris chryseola isolate Cc1 cytochrome oxi	HQ341496	84.26	99.54	6.89335e-59	Coleoptera	Buprestidae	Chrysobothris chryseola
Chrysobothris chryseola isolate Cc3 cytochrome oxi	HQ341494	84.26	99.54	6.89335e-59	Coleoptera	Buprestidae	Chrysobothris chryseola
Sclerocyphon sp. D-30 cytochrome oxidase subunit I	AY762877	84.26	99.54	6.89335e-59	Coleoptera	Psephenidae	Sclerocyphon sp. D-30
Sclerocyphon sp. D-23 cytochrome oxidase subunit I	AY762876	87.43	88.02	6.89335e-59	Coleoptera	Psephenidae	Sclerocyphon sp. D-23
Sclerocyphon sp. D-25 cytochrome oxidase subunit I	AY762875	87.43	88.02	6.89335e-59	Coleoptera	Psephenidae	Sclerocyphon sp. D-25
Sclerocyphon sp. D-28 cytochrome oxidase subunit I	AY762874	87.43	88.02	6.89335e-59	Coleoptera	Psephenidae	Sclerocyphon sp. D-28
Sclerocyphon sp. D-26 cytochrome oxidase subunit I	AY762873	87.43	88.02	6.89335e-59	Coleoptera	Psephenidae	Sclerocyphon sp. D-26
Leiodidae sp. BOLD:ACI7099 voucher BIOUG05963-E12	KM850174	84.51	98.16	2.40601e-58	Coleoptera	Leiodidae	Leiodidae sp. BOLD:ACI7099
Nicrophorus investigator voucher 08BBCOL-0452 cyto	KM843392	85.1	95.85	2.40601e-58	Coleoptera	Silphidae	Nicrophorus investigator
Staphylinidae sp. BOLD:ACI7099 voucher BIOUG08508-	KM845819	84.51	98.16	2.40601e-58	Coleoptera	Staphylinidae	Staphylinidae sp. BOLD:ACI7099