

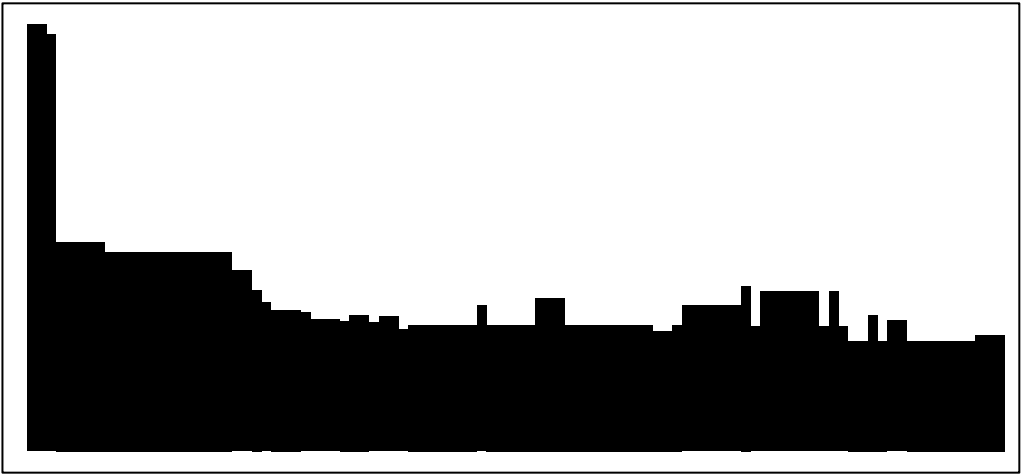
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Elminae sp. GENSP01

Elmidae

Coleoptera

100



Elminae sp. GENSP01 mitochondrion, partial genome	JX412724	100	100	1.41701e-105	Coleoptera	Elmidae	Elminae sp. GENSP01
Elmis maugetti isolate 3 cytochrome oxidase subunit	KJ381196	100	100	1.41701e-105	Coleoptera	Elmidae	Elmis maugetti
Elmis maugetti isolate 1 cytochrome oxidase subunit	KJ381194	99.54	100	6.02529e-104	Coleoptera	Elmidae	Elmis maugetti
Elmis rioloides isolate 11 cytochrome oxidase subunit	KJ381189	89.81	99.54	3.56441e-75	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 9 cytochrome oxidase subunit	KJ381187	89.81	99.54	3.56441e-75	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 7 cytochrome oxidase subunit	KJ381185	89.81	99.54	3.56441e-75	Coleoptera	Elmidae	Elmis rioloides
Elmis aenea isolate 4 cytochrome oxidase subunit I	KJ381161	89.81	99.54	3.56441e-75	Coleoptera	Elmidae	Elmis aenea
Elmis rioloides voucher BCZSMAQU00969 cytochrome oxidase	KM445562	89.81	99.54	3.56441e-75	Coleoptera	Elmidae	Elmis rioloides
Elmis perezi mitochondrial partial COI gene for cytochrome oxidase	HF947938	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis perezi
Elmis rioloides isolate 15 cytochrome oxidase subunit	KJ381193	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 14 cytochrome oxidase subunit	KJ381192	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 3 cytochrome oxidase subunit	KJ381181	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 2 cytochrome oxidase subunit	KJ381180	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis rioloides
Elmis rioloides isolate 1 cytochrome oxidase subunit	KJ381179	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis rioloides
Elmis aenea isolate 21 cytochrome oxidase subunit	KJ381175	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 15 cytochrome oxidase subunit	KJ381172	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 13 cytochrome oxidase subunit	KJ381170	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 10 cytochrome oxidase subunit	KJ381167	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 5 cytochrome oxidase subunit I	KJ381162	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis aenea
Elmis aenea isolate 1 cytochrome oxidase subunit I	KJ381158	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis aenea
Elmis aenea voucher ZMUO<FIN>:006129 cytochrome oxidase	KJ963580	89.35	99.54	1.51562e-73	Coleoptera	Elmidae	Elmis aenea
Limnius muelleri voucher BFB_Col_FK_10146 cytochrome oxidase	KM441661	88.48	99.54	3.33838e-69	Coleoptera	Elmidae	Limnius muelleri
Limnius muelleri voucher BFB_Col_FK_10147 cytochrome oxidase	KM439311	88.48	99.54	3.33838e-69	Coleoptera	Elmidae	Limnius muelleri
Limnius muelleri voucher BFB_Col_FK_10144 cytochrome oxidase	KM447490	87.56	99.54	1.72933e-66	Coleoptera	Elmidae	Limnius muelleri
Chrysobothris chryseola isolate Cc3 cytochrome oxidase	HQ341494	86.98	99.08	1.72933e-66	Coleoptera	Buprestidae	Chrysobothris chryseola
Staphylinidae sp. BOLD:ACO1478 voucher BIOUG13498-1	KR483003	86.64	100	6.03594e-66	Coleoptera	Staphylinidae	Staphylinidae sp. BOLD:ACO1478
Atheta sp. CHU2 voucher CHU06-COL1-631.1 cytochrome oxidase	KJ203968	86.64	100	6.03594e-66	Coleoptera	Staphylinidae	Atheta sp. CHU2
Sclerocyphon sp. C-18 cytochrome oxidase subunit I	AY762864	86.64	100	6.03594e-66	Coleoptera	Psephenidae	Sclerocyphon sp. C-18
Chrysobothris chryseola isolate Cc2 cytochrome oxidase	HQ341495	86.51	99.08	7.35328e-65	Coleoptera	Buprestidae	Chrysobothris chryseola
Sclerocyphon sp. C-22 cytochrome oxidase subunit I	AY762863	86.18	100	7.35328e-65	Coleoptera	Psephenidae	Sclerocyphon sp. C-22
Sclerocyphon sp. C-19 cytochrome oxidase subunit I	AY762862	86.18	100	7.35328e-65	Coleoptera	Psephenidae	Sclerocyphon sp. C-19
Sclerocyphon sp. C-21 cytochrome oxidase subunit I	AY762861	86.18	100	7.35328e-65	Coleoptera	Psephenidae	Sclerocyphon sp. C-21
Elmis obscura voucher BCZSMAQU00968 cytochrome oxidase	KM446204	86.11	99.54	2.56655e-64	Coleoptera	Elmidae	Elmis obscura
Graphomya sp. BOLD:ABZ3460 voucher 08BBDIP-1764 cytochrome oxidase	KM569800	86.38	98.16	8.95813e-64	Diptera	Muscidae	Graphomya sp. BOLD:ABZ3460
Graphomya transitionis voucher BUIC-AK115 cytochrome oxidase	KC499689	86.38	98.16	8.95813e-64	Diptera	Muscidae	Graphomya transitionis
Chrysobothris chryseola isolate Cc1 cytochrome oxidase	HQ341496	86.05	99.08	8.95813e-64	Coleoptera	Buprestidae	Chrysobothris chryseola
Nicrophorus obscurus voucher AF DSSC006358Nic cytochrome oxidase	EF537642	86.32	97.7	3.12669e-63	Coleoptera	Silphidae	Nicrophorus obscurus
Nicrophorus obscurus voucher AF DSSC006336Nic cytochrome oxidase	EF537641	86.32	97.7	3.12669e-63	Coleoptera	Silphidae	Nicrophorus obscurus
Sclerocyphon sp. C-20 cytochrome oxidase subunit I	AY762865	85.71	100	3.12669e-63	Coleoptera	Psephenidae	Sclerocyphon sp. C-20
Geomyphilus pierai mitochondrial partial COI gene	LN832268	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Geomyphilus pierai
Geomyphilus pierai mitochondrial partial COI gene	LN832267	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Geomyphilus pierai
Geomyphilus pierai mitochondrial partial COI gene	LN832266	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Geomyphilus pierai
Geomyphilus pierai mitochondrial partial COI gene	LN832265	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Geomyphilus pierai
Geomyphilus pierai mitochondrial partial COI gene	LN832264	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Geomyphilus pierai
Geomyphilus pierai mitochondrial partial COI gene	LN832260	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Geomyphilus pierai
Graphomya sp. BOLD:ABZ7314 voucher BIOUG04929-B02	KM631625	85.92	98.16	1.09132e-62	Diptera	Muscidae	Graphomya sp. BOLD:ABZ7314
Ptiliidae sp. NZAC 03010406 cytochrome oxidase subunit	KP421811	86.83	94.47	1.09132e-62	Coleoptera	Ptiliidae	Ptiliidae sp. NZAC 03010406
Nicrophorus interruptus voucher GBOL_Col_FK_5271 cytochrome oxidase	KM448497	85.92	98.16	1.09132e-62	Coleoptera	Silphidae	Nicrophorus interruptus
Aphodius pusillus voucher BFB_Col_FK_4272 cytochrome oxidase	KM443284	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Aphodius pusillus
Aphodius pusillus voucher GBOL_Col_FK_6172 cytochrome oxidase	KM441610	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Aphodius pusillus
Aphodius pusillus voucher BFB_Col_FK_12538 cytochrome oxidase	KM441287	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Aphodius pusillus
Aphodius pusillus voucher BC ZSM COL 00564 cytochrome oxidase	KM439907	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Aphodius pusillus
Aphodius fasciatus voucher ZMUO<FIN>:000976 cytochrome oxidase	KJ967505	87.19	93.55	1.09132e-62	Coleoptera	Scarabaeidae	Aphodius fasciatus
Aphodius fasciatus voucher ZMUO<FIN>:007337 cytochrome oxidase	KJ963448	87.19	93.55	1.09132e-62	Coleoptera	Scarabaeidae	Aphodius fasciatus
Aphodius fasciatus voucher ZMUO<FIN>:000975 cytochrome oxidase	KJ963068	87.19	93.55	1.09132e-62	Coleoptera	Scarabaeidae	Aphodius fasciatus
Phyllophaga hornii isolate MP798 cytochrome oxidase	GQ457166	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Phyllophaga hornii
Phyllophaga hornii isolate MP781 cytochrome oxidase	GQ457165	85.92	98.16	1.09132e-62	Coleoptera	Scarabaeidae	Phyllophaga hornii
Nicrophorus mexicanus voucher AF DSSC007300Nic cytochrome oxidase	EF537633	85.92	98.16	1.09132e-62	Coleoptera	Silphidae	Nicrophorus mexicanus
Nicrophorus mexicanus voucher AF DSSC07299Nic cytochrome oxidase	EF537632	85.92	98.16	1.09132e-62	Coleoptera	Silphidae	Nicrophorus mexicanus
Nicrophorus nigrata voucher AF DSSC100189Nic cytochrome oxidase	EF537631	85.92	98.16	1.09132e-62	Coleoptera	Silphidae	Nicrophorus nigrata
Nicrophorus nigrata voucher AF DSSC100187Nic cytochrome oxidase	EF537630	85.92	98.16	1.09132e-62	Coleoptera	Silphidae	Nicrophorus nigrata
Nicrophorus nigrata voucher AF DSSC006351Nic cytochrome oxidase	EF537629	85.92	98.16	1.09132e-62	Coleoptera	Silphidae	Nicrophorus nigrata
Nicrophorus nigrata voucher AF DSSC006201Nic cytochrome oxidase	EF537628	85.92	98.16	1.09132e-62	Coleoptera	Silphidae	Nicrophorus nigrata
Nicrophorus interruptus voucher AF DSSC007304Nic cytochrome oxidase	EF537620	85.92	98.16	1.09132e-62	Coleoptera	Silphidae	Nicrophorus interruptus
Sclerocyphon sp. B-7 cytochrome oxidase subunit I	AY762858	85.65	99.54	1.09132e-62	Coleoptera	Psephenidae	Sclerocyphon sp. B-7
Sclerocyphon sp. B-15 cytochrome oxidase subunit I	AY762851	85.65	99.54	1.09132e-62	Coleoptera	Psephenidae	Sclerocyphon sp. B-15
Nicrophorus tomentosus cytochrome oxidase subunit	DQ017378	85.92	98.16	1.09132e-62	Coleoptera	Silphidae	Nicrophorus tomentosus
Endopterygota sp. NZAC 03012669 cytochrome oxidase	KP421963	86.83	94.47	3.80909e-62	Coleoptera	Endopterygota sp. NZAC 03012669	
Ptiliidae sp. NZAC 03011974 cytochrome oxidase subunit	KP421866	86.83	94.47	3.80909e-62	Coleoptera	Ptiliidae	Ptiliidae sp. NZAC 03011974
Ptiliidae sp. NZAC 03010296 cytochrome oxidase subunit	KP421803	86.83	94.47	3.80909e-62	Coleoptera	Ptiliidae	Ptiliidae sp. NZAC 03010296
Ptiliidae sp. NZAC 03011325 cytochrome oxidase subunit	KP421624	86.83	94.47	3.80909e-62	Coleoptera	Ptiliidae	Ptiliidae sp. NZAC 03011325
Endopterygota sp. NZAC 03012564 cytochrome oxidase	KP421145	86.83	94.47	3.80909e-62	Coleoptera	Endopterygota sp. NZAC 03012564	
Ptiliidae sp. NZAC 03012244 cytochrome oxidase subunit	KP421050	86.83	94.47	3.80909e-62	Coleoptera	Ptiliidae	Ptiliidae sp. NZAC 03012244
Creophilus maxillosus cytochrome oxidase subunit 1	KJ840843	87.75	93.55	3.80909e-62	Coleoptera	Staphylinidae	Creophilus maxillosus
Agrypnus scrofa voucher Ascrs3 cytochrome oxidase	KM612418	85.85	97.7	3.80909e-62	Coleoptera	Elateridae	Agrypnus scrofa
Atheta elongatula voucher BFB_Col_FK_8261 cytochrome oxidase	KM445692	87.5	92.17	3.80909e-62	Coleoptera	Staphylinidae	Atheta elongatula
Atheta elongatula voucher GBOL_Col_FK_1135 cytochrome oxidase	KM443340	87.5	92.17	3.80909e-62	Coleoptera	Staphylinidae	Atheta elongatula
Atheta elongatula voucher ZMUO<FIN>:001153 cytochrome oxidase	KJ964731	87.5	92.17	3.80909e-62	Coleoptera	Staphylinidae	Atheta elongatula
Atheta elongatula voucher ZMUO<FIN>:001141 cytochrome oxidase	KJ963914	87.5	92.17	3.80909e-62	Coleoptera	Staphylinidae	Atheta elongatula
Atheta elongatula voucher ZMUO<FIN>:006720 cytochrome oxidase	KJ963873	87.5	92.17	3.80909e-62	Coleoptera	Staphylinidae	Atheta elongatula
Atheta elongatula voucher ZMUO<FIN>:001163 cytochrome oxidase	KJ963323	87.5	92.17	3.80909e-62	Coleoptera	Staphylinidae	Atheta elongatula
Hydrosmea gracilicornis voucher ZMUN:10002658 cytochrome oxidase	JN581901	85.85	97.7	3.80909e-62	Coleoptera	Staphylinidae	Hydrosmea gracilicornis
Atheta elongatula voucher ZMUO<FIN>:007199 cytochrome oxidase	KJ965955	87.5	92.17	3.80909e-62	Coleoptera	Staphylinidae	Atheta elongatula
Sclerocyphon sp. B-9 cytochrome oxidase subunit I	AY762856	85.85	97.7	3.80909e-62	Coleoptera	Psephenidae	Sclerocyphon sp. B-9
Psephenus sp. gmycB11 haplotype HapB84 cytochrome oxidase	KR134493	85.19	99.54	1.3295e-61	Coleoptera	Psephenidae	Psephenus sp. gmycB11
Psephenus sp. gmycB11 haplotype HapB83 cytochrome oxidase	KR134492	85.19	99.54	1.3295e-61	Coleoptera	Psephenidae	Psephenus sp. gmycB11
Anchytarsus sp. gmycB8 haplotype HapB36 cytochrome oxidase	KR134445	86.38	97.7	1.3295e-61	Coleoptera	Ptilodactylidae	Anchytarsus sp. gmycB8
Sphenoptera sp. BUP0141 cytochrome oxidase subunit	KM364392	85.19	99.54	1.3295e-61	Coleoptera	Buprestidae	Sphenoptera sp. BUP0141
Riolus subviolaceus isolate 2 cytochrome oxidase subunit	KJ381201	86.12	96.31	1.3295e-61	Coleoptera	Elmidae	Riolus subviolaceus
Riolus subviolaceus isolate 1 cytochrome oxidase subunit	KJ381200	86.12	96.31	1.3295e-61	Coleoptera	Elmidae	Riolus subviolaceus
Oedostethus quadripustulatus voucher BFB_Col_FK_81	KM452275	85.19	99.54	1.3295e-61	Coleoptera	Elateridae	Oedostethus quadripustulatus
Sclerocyphon sp. B-17 cytochrome oxidase subunit I	AY762859	85.19	99.54	1.3295e-61	Coleoptera	Psephenidae	Sclerocyphon sp. B-17
Sclerocyphon sp. B-11 cytochrome oxidase subunit I	AY762857	85.19	99.54	1.3295e-61	Coleoptera	Psephenidae	Sclerocyphon sp. B-11
Sclerocyphon sp. B-16 cytochrome oxidase subunit I	AY762855	85.19	99.54	1.3295e-61	Coleoptera	Psephenidae	Sclerocyphon sp. B-16
Sclerocyphon sp. B-8 cytochrome oxidase subunit I	AY762854	85.19	99.54	1.3295e-61	Coleoptera	Psephenidae	Sclerocyphon sp. B-8
Sclerocyphon sp. B-12 cytochrome oxidase subunit I	AY762852	85.19	99.54	1.3295e-61	Coleoptera	Psephenidae	Sclerocyphon sp. B-12
Sclerocyphon sp. B-13 cytochrome oxidase subunit I	AY762850	85.19	99.54	1.3295e-61	Coleoptera	Psephenidae	S