

OTU\_1;size=23891349;.csv

Ephemera danica

Ephemeridae

Ephemeroptera

100



Ephemera danica voucher NO-EPH76 cytochrome oxidase	JX571926	100	100	1.41832e-105	Ephemeroptera	Ephemeridae	Ephemera danica
Ephemera danica mitochondrial partial COI gene for	LN734766	99.07	99.54	2.56438e-102	Ephemeroptera	Ephemeridae	Ephemera danica
Ephemera orientalis voucher EPH01 cytochrome oxida	KF257124	87.96	99.54	9.57344e-70	Ephemeroptera	Ephemeridae	Ephemera orientalis
Ephemera sachalinensis isolate ES1 cytochrome oxid	HQ257229	87.96	99.54	9.57344e-70	Ephemeroptera	Ephemeridae	Ephemera sachalinensis
Ephemera orientalis mitochondrion, complete genome	EU591678	87.96	99.54	9.57344e-70	Ephemeroptera	Ephemeridae	Ephemera orientalis
Hexagenia limbata voucher FAMUBOLD0061 cytochrome	JQ662741	87.79	98.16	4.07073e-68	Ephemeroptera	Ephemeridae	Hexagenia limbata
Parisotoma notabilis cytochrome oxidase subunit I	JN970935	87.79	98.16	4.07073e-68	Ephemeroptera	Isotomidae	Parisotoma notabilis
Ephemera guttulata voucher BIOUG<CAN>:09LJGSM-042	HQ571197	87.5	99.54	4.07073e-68	Ephemeroptera	Ephemeridae	Ephemera guttulata
Hexagenia limbata voucher 09LJ105 cytochrome oxida	GU713800	87.79	98.16	4.07073e-68	Ephemeroptera	Ephemeridae	Hexagenia limbata
Hexagenia bilineata voucher ENT-OUBS-044 cytochrom	HM381300	87.74	97.7	1.42082e-67	Ephemeroptera	Ephemeridae	Hexagenia bilineata
Raptoheptagenia cruentata voucher BIOUG00644-H08 c	KR148934	88.35	94.93	4.95916e-67	Ephemeroptera	Heptageniidae	Raptoheptagenia cruentata
Ephemera guttulata voucher BIOUG02799-E12 cytochro	KR147508	87.04	99.54	4.95916e-67	Ephemeroptera	Ephemeridae	Ephemera guttulata
Raptoheptagenia cruentata voucher BIOUG00644-H09 c	KR141721	88.35	94.93	4.95916e-67	Ephemeroptera	Heptageniidae	Raptoheptagenia cruentata
Ephemera guttulata voucher BIOUG02799-F01 cytochro	KR145777	87.04	99.54	4.95916e-67	Ephemeroptera	Ephemeridae	Ephemera guttulata
Ephemera guttulata voucher BIOUG<CAN>:09LJGSM-041	HQ571196	87.04	99.54	4.95916e-67	Ephemeroptera	Ephemeridae	Ephemera guttulata
Ephemera sachalinensis isolate ES3 cytochrome oxid	HQ257231	87.04	99.54	4.95916e-67	Ephemeroptera	Ephemeridae	Ephemera sachalinensis
Ephemera orientalis isolate EO-M1 cytochrome oxida	HQ257225	87.04	99.54	4.95916e-67	Ephemeroptera	Ephemeridae	Ephemera orientalis
Ephemera orientalis isolate EO-J1 cytochrome oxida	HQ257223	87.04	99.54	4.95916e-67	Ephemeroptera	Ephemeridae	Ephemera orientalis
Ephemera simulans voucher BIOUG<CAN>:AY165685 cyto	AY165685	87.04	99.54	4.95916e-67	Ephemeroptera	Ephemeridae	Ephemera simulans
Hexagenia orlando voucher FAMUBOLD0059 cytochrome	JQ662753	87.32	98.16	1.73092e-66	Ephemeroptera	Ephemeridae	Hexagenia orlando
Hexagenia limbata voucher 09LJ108 cytochrome oxida	GU713799	87.32	98.16	1.73092e-66	Ephemeroptera	Ephemeridae	Hexagenia limbata
Hexagenia bilineata voucher 08INHSE-0129 cytochrom	HQ568760	87.26	97.7	6.0415e-66	Ephemeroptera	Ephemeridae	Hexagenia bilineata
Neoephemera purpurea voucher 07GSM-5982 cytochrome	JQ662359	86.85	98.16	2.10869e-65	Ephemeroptera	Neoephemeridae	Neoephemera purpurea
Neoephemera purpurea voucher 07GSM-5981 cytochrome	JQ661708	86.85	98.16	2.10869e-65	Ephemeroptera	Neoephemeridae	Neoephemera purpurea
Ephemera orientalis isolate EO-D1 cytochrome oxida	HQ257221	86.57	99.54	2.10869e-65	Ephemeroptera	Ephemeridae	Ephemera orientalis
Ephemera orientalis isolate EO-E1 cytochrome oxida	HQ257222	86.57	99.54	2.10869e-65	Ephemeroptera	Ephemeridae	Ephemera orientalis
Tipulidae sp. BOLD:ABA8856 voucher BIOUG07636-B12	KP048131	89.23	89.86	7.36005e-65	Diptera	Tipulidae	Tipulidae sp. BOLD:ABA8856
Hexagenia limbata voucher EPA0096 cytochrome oxida	JN200548	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia limbata
Hexagenia rigida voucher BIOUG<CAN>:BIOUG00637-F09	JQ662942	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia rigida
Hexagenia rigida voucher BIOUG<CAN>:BIOUG00637-F08	JQ662300	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia rigida
Hexagenia rigida voucher BIOUG<CAN>:BIOUG00637-F06	JQ662204	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia rigida
Hexagenia bilineata voucher BIOUG<CAN>:BIOUG00640-	JQ662134	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia bilineata
Hexagenia rigida voucher BIOUG<CAN>:08ONMAY-0121 c	JQ662129	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia rigida
Hexagenia bilineata voucher BIOUG<CAN>:BIOUG00640-	JQ661897	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia bilineata
Hexagenia bilineata voucher 08INHSE-0136 cytochrom	HQ568766	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia bilineata
Hexagenia bilineata voucher USA HBS_2007_000001 cy	EF467173	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia bilineata
Hexagenia cf. rigida SLB-2003 voucher BIOUG<CAN>:A	AY165699	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia cf. rigida SLB-2003
Hexagenia rigida isolate SLB43 cytochrome oxidase	AY326817	86.79	97.7	7.36005e-65	Ephemeroptera	Ephemeridae	Hexagenia rigida
Ephemera orientalis isolate KOR-E1 cytochrome oxid	KC569548	86.11	99.54	2.56891e-64	Ephemeroptera	Ephemeridae	Ephemera orientalis
Ephemera varia voucher BIOUG<CAN>:09NBMA-0087 cyt	JQ662613	86.11	99.54	2.56891e-64	Ephemeroptera	Ephemeridae	Ephemera varia
Ephemera varia voucher BIOUG<CAN>:08ONMAY-0149 cyt	JQ662508	86.11	99.54	2.56891e-64	Ephemeroptera	Ephemeridae	Ephemera varia
Ephemera varia voucher BIOUG<CAN>:09NBMA-0422 cyt	JQ662250	86.11	99.54	2.56891e-64	Ephemeroptera	Ephemeridae	Ephemera varia
Ephemera varia voucher BIOUG<CAN>:09NBMA-0427 cyt	JQ661902	86.11	99.54	2.56891e-64	Ephemeroptera	Ephemeridae	Ephemera varia
Ephemera varia voucher BIOUG<CAN>:09NBMA-0423 cyt	JQ661898	86.11	99.54	2.56891e-64	Ephemeroptera	Ephemeridae	Ephemera varia
Ephemera varia voucher BIOUG<CAN>:09NBMA-0275 cyt	JQ661745	86.11	99.54	2.56891e-64	Ephemeroptera	Ephemeridae	Ephemera varia
Ephemera varia voucher BIOUG<CAN>:09NBMA-0421 cyt	JQ661625	86.11	99.54	2.56891e-64	Ephemeroptera	Ephemeridae	Ephemera varia
Ephemera varia voucher 08-SWRC-1422 cytochrome oxi	JF286903	86.11	99.54	2.56891e-64	Ephemeroptera	Ephemeridae	Ephemera varia
Tipulidae sp. BOLD:ABA8856 voucher BIOUG13205-H01	KR396931	88.72	89.86	8.96638e-64	Diptera	Tipulidae	Tipulidae sp. BOLD:ABA8856
Tipulidae sp. BOLD:ABA8856 voucher BIOUG11044-F12	KR392218	88.72	89.86	8.96638e-64	Diptera	Tipulidae	Tipulidae sp. BOLD:ABA8856
Tipulidae sp. BOLD:ABA8856 voucher BIOUG11347-F04	KR388200	88.72	89.86	8.96638e-64	Diptera	Tipulidae	Tipulidae sp. BOLD:ABA8856
Tipulidae sp. BOLD:ABA8856 voucher BIOUG11044-F10	KR387133	88.72	89.86	8.96638e-64	Diptera	Tipulidae	Tipulidae sp. BOLD:ABA8856
Ctenophora dorsalis voucher 08BBDIP-0372 cytochrom	KM571460	88.72	89.86	8.96638e-64	Diptera	Tipulidae	Ctenophora dorsalis
Cercobrachys cree voucher BIOUG<CAN>:SWA_iBOL_UofS	JQ662593	86.38	98.16	8.96638e-64	Ephemeroptera	Caenidae	Cercobrachys cree
Neoephemera purpurea voucher 07GSM-5980 cytochrome	JQ661629	86.38	98.16	8.96638e-64	Ephemeroptera	Neoephemeridae	Neoephemera purpurea
Hexagenia limbata voucher BIOUG<CAN>:09CPMA-083 c	HQ943462	86.38	98.16	8.96638e-64	Ephemeroptera	Ephemeridae	Hexagenia limbata
Anopheles lepidotus voucher 51917879 cytochrome ox	JQ041282	85.98	98.62	3.12957e-63	Diptera	Culicidae	Anopheles lepidotus
Hexagenia rigida voucher BIOUG<CAN>:BIOUG00637-F07	JQ663127	86.32	97.7	3.12957e-63	Ephemeroptera	Ephemeridae	Hexagenia rigida
Leucrocota maculipennis voucher BIOUG<CAN>:BIOUG00	JQ662381	86.96	95.39	3.12957e-63	Ephemeroptera	Heptageniidae	Leucrocota maculipennis
Leucrocota maculipennis isolate SLB286 cytochrome	AY326900	86.96	95.39	3.12957e-63	Ephemeroptera	Heptageniidae	Leucrocota maculipennis
Ephemera blanda voucher BIOUG<CAN>:09LJGSM-067 cyt	HQ571216	88.12	91.71	1.09233e-62	Ephemeroptera	Ephemeridae	Ephemera blanda
Ephemera blanda voucher BIOUG<CAN>:09LJGSM-065 cyt	HQ571214	88.12	91.71	1.09233e-62	Ephemeroptera	Ephemeridae	Ephemera blanda
Ephemera blanda voucher BIOUG<CAN>:09LJGSM-063 cyt	HQ571212	88.12	91.71	1.09233e-62	Ephemeroptera	Ephemeridae	Ephemera blanda
Ephemera blanda voucher BIOUG<CAN>:09LJGSM-062 cyt	HQ571211	88.12	91.71	1.09233e-62	Ephemeroptera	Ephemeridae	Ephemera blanda
Ephemera orientalis isolate EO-C1 cytochrome oxida	HQ257220	85.65	99.54	1.09233e-62	Ephemeroptera	Ephemeridae	Ephemera orientalis
Thaumalea subafricana isolate B from Spain cytochr	KT215937	85.85	97.7	3.8126e-62	Diptera	Thaumaleidae	Thaumalea subafricana
Thaumalea subafricana isolate A from Spain cytochr	KT215936	85.85	97.7	3.8126e-62	Diptera	Thaumaleidae	Thaumalea subafricana
Leucrocota maculipennis voucher BIOUG<CAN>:BIOUG00	JQ662689	86.47	95.39	3.8126e-62	Ephemeroptera	Heptageniidae	Leucrocota maculipennis
Ametropus neavei voucher BIOUG<CAN>:SWA_iBOL_UofS_	JQ661844	85.25	100	3.8126e-62	Ephemeroptera	Ametropodidae	Ametropus neavei
Leucrocota maculipennis voucher BIOUG<CAN>:BIOUG00	JQ661665	86.47	95.39	3.8126e-62	Ephemeroptera	Heptageniidae	Leucrocota maculipennis
Ametropus neavei voucher BIOUG<CAN>:SWA_iBOL_UofS_	JQ661546	85.25	100	3.8126e-62	Ephemeroptera	Ametropodidae	Ametropus neavei
Ephemera sp. AMI 1 voucher 4506510178 cytochrome o	HQ150706	85.19	99.54	3.8126e-62	Ephemeroptera	Ephemeridae	Ephemera sp. AMI 1
Austrophlebioides marchanti voucher MDFRC_EP0028 c	KP697628	85.51	98.62	1.33073e-61	Ephemeroptera	Austrophlebioides marchanti	
Austrophlebioides marchanti voucher MDFRC_EP0025 c	KP697456	86.76	94.01	1.33073e-61	Ephemeroptera	Austrophlebioides marchanti	
Drosophilidae sp. BOLD:AAG8504 voucher BIOUG06237-	KM903747	85.19	99.54	1.33073e-61	Diptera	Drosophilidae	Drosophilidae sp. BOLD:AAG8504
Endopterygota sp. NZAC 03009123 cytochrome oxidase	KP422319	85.51	98.62	1.33073e-61	Diptera	Endopterygota sp. NZAC 03009123	
Anopheles lepidotus voucher 51917611 cytochrome ox	JQ041286	85.51	98.62	1.33073e-61	Diptera	Anopheles lepidotus	
Anopheles lepidotus voucher EC151-5 cytochrome oxi	JQ041283	85.51	98.62	1.33073e-61	Diptera	Anopheles lepidotus	
Ephemera blanda voucher BIOUG<CAN>:09LJGSM-066 cyt	HQ571215	87.62	91.71	1.33073e-61	Ephemeroptera	Ephemeridae	Ephemera blanda
Ephemera blanda voucher BIOUG<CAN>:09LJGSM-064 cyt	HQ571213	87.62	91.71	1.33073e-61	Ephemeroptera	Ephemeridae	Ephemera blanda
Ephemera orientalis isolate EO-Y1 cytochrome oxida	HQ257227	85.19	99.54	1.33073e-61	Ephemeroptera	Ephemeridae	Ephemera orientalis
Ephemera orientalis isolate EO-S1 cytochrome oxida	HQ257226	85.19	99.54	1.33073e-61	Ephemeroptera	Ephemeridae	Ephemera orientalis
Cinygmula spJMW3 voucher BIOUG<CAN>:08ABMA-0039 c	HM372922	86.76	94.01	1.33073e-61	Ephemeroptera	Heptageniidae	Cinygmula spJMW3
Hybotidae sp. BOLD:AAF9862 voucher BIOUG11498-E01	KR396282	86.06	95.85	4.6447e-61	Diptera	Hybotidae	Hybotidae sp. BOLD:AAF9862
Hybotidae sp. BOLD:AAF9862 voucher BIOUG11499-H06	KR382467	86.06	95.85	4.6447e-61	Diptera	Hybotidae	Hybotidae sp. BOLD:AAF9862
Sphaeroceridae sp. BOLD:AAG7302 voucher BIOUG12364	KR382082	85.45	98.16	4.6447e-61	Diptera	Sphaeroceridae	Sphaeroceridae sp. BOLD:AAG7302
Hybotidae sp. BOLD:AAF9862 voucher BIOUG11495-E07	KR399217	86.06	95.85	4.6447e-61	Diptera	Hybotidae	Hybotidae sp. BOLD:AAF9862
Hybotidae sp. BOLD:AAF9862 voucher BIOUG10231-A03	KR392173	86.06	95.85	4.6447e-61	Diptera	Hybotidae	Hybotidae sp. BOLD:AAF9862
Sphaeroceridae sp. BOLD:AAG7302 voucher BIOUG06561	KM945498	85.45	98.16	4.6447e-61	Diptera	Sphaeroceridae	Sphaeroceridae sp. BOLD:AAG7302
Pterostichus melas voucher GBOL_Col_FK_4575 cytoch	KM442537	85.45	98.16	4.6447e-61	Coleoptera	Carabidae	Pterostichus melas
Anopheles lepidotus voucher CCDB-10764-A9 cytochro	KF670991	85.45	98.16	4.6447e-61	Diptera	Culicidae	Anopheles lepidotus
Tipula cinereocincta voucher JES-20120024 cytochro	JQ912033	88.83	86.64	4.6447e-61	Diptera	Tipulidae	Tipula cinereocincta
Tipula cinereocincta voucher JES-20110456 cytochro	JQ912032	88.83	86.64	4.6447e-61	Diptera	Tipulidae	Tipula cinereocincta
Cercobrachys cree voucher BIOUG<CAN>:SWA_iBOL_UofS	JQ661558	85.45	98.16	4.6447e-61	Ephemeroptera	Caenidae	Cercobrachys cree
Procladius paludicola voucher Pr186 cytochrome oxi	HQ248008	85.45	98.16	4.6447e-61	Diptera	Chironomidae	Procladius paludicola
Drosophilidae sp. BOLD:AAG8504 voucher BIOUG06315-	KM969701	85.05	98.62	1.62116e-60	Diptera	Drosophilidae	Drosophilidae sp. BOLD:AAG8504
Drosophilidae sp. BOLD:AAG8504 voucher BIOUG05964-	KM949135	85.05	98.62	1.62116e-60	Diptera	Drosophilidae	Drosophilidae sp. BOLD:AAG8504
Drosophilidae sp. BOLD:AAG8504 voucher BIOUG06237-	KM905281	85.05	98.62	1.62116e-60	Diptera	Drosophilidae	Drosophilidae sp. BOLD:AAG8504
Drosophilidae sp. BOLD:AAG8504 voucher BIOUG06315-	KM						