

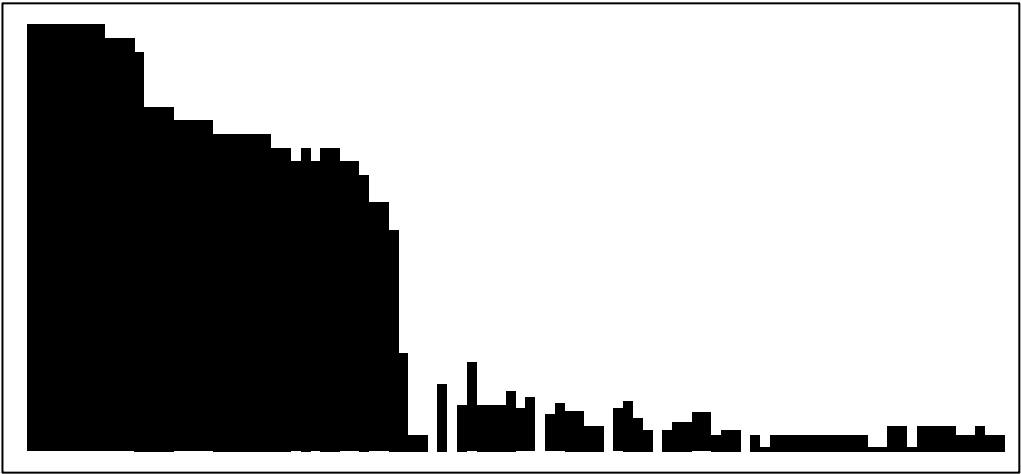
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Rhithrogena sp. 13 LV–2015

Heptageniidae

Ephemeroptera

100



Rhithrogena sp. 13 LV–2015 mitochondrial partial 1	LN868672	100	100	1.053e–72	Ephemeroptera	Heptageniidae	Rhithrogena sp. 13 LV–2015
Rhithrogena sp. 12 LV–2015 mitochondrial partial 1	LN868671	100	100	1.053e–72	Ephemeroptera	Heptageniidae	Rhithrogena sp. 12 LV–2015
Rhithrogena picteti mitochondrial partial 16S rRNA	LN868663	100	100	1.053e–72	Ephemeroptera	Heptageniidae	Rhithrogena picteti
Rhithrogena sp. 3 LV–2015 mitochondrial partial 16	LN868659	100	100	1.053e–72	Ephemeroptera	Heptageniidae	Rhithrogena sp. 3 LV–2015
Rhithrogena sp. 2 LV–2015 mitochondrial partial 16	LN868654	100	100	1.053e–72	Ephemeroptera	Heptageniidae	Rhithrogena sp. 2 LV–2015
Rhithrogena puytoraci mitochondrial partial 16S rR	LN868651	100	100	1.053e–72	Ephemeroptera	Heptageniidae	Rhithrogena puytoraci
Rhithrogena iridina mitochondrial partial 16S rRNA	LN868646	100	100	1.053e–72	Ephemeroptera	Heptageniidae	Rhithrogena iridina
Rhithrogena taurisca mitochondrial partial 16S rRN	LN868638	100	100	1.053e–72	Ephemeroptera	Heptageniidae	Rhithrogena taurisca
Rhithrogena semicolorata mitochondrial partial 16S	LN868673	99.36	100	4.47746e–71	Ephemeroptera	Heptageniidae	Rhithrogena semicolorata
Rhithrogena sp. 5 LV–2015 mitochondrial partial 16	LN868653	99.36	100	4.47746e–71	Ephemeroptera	Heptageniidae	Rhithrogena sp. 5 LV–2015
Rhithrogena sp. 4 LV–2015 mitochondrial partial 16	LN868652	99.36	100	4.47746e–71	Ephemeroptera	Heptageniidae	Rhithrogena sp. 4 LV–2015
Rhithrogena fonticola mitochondrial partial 16S rR	LN868656	98.72	100	5.45466e–70	Ephemeroptera	Heptageniidae	Rhithrogena fonticola
Rhithrogena sp. 7 LV–2015 mitochondrial partial 16	LN868669	96.15	100	1.78314e–63	Ephemeroptera	Heptageniidae	Rhithrogena sp. 7 LV–2015
Rhithrogena alpestris mitochondrial partial 16S rR	LN868657	96.15	100	1.78314e–63	Ephemeroptera	Heptageniidae	Rhithrogena alpestris
Rhithrogena nivata mitochondrial partial 16S rRNA	LN868643	96.15	100	1.78314e–63	Ephemeroptera	Heptageniidae	Rhithrogena nivata
Rhithrogena degrangei mitochondrial partial 16S rR	LN868674	95.51	100	7.58209e–62	Ephemeroptera	Heptageniidae	Rhithrogena degrangei
Rhithrogena sp. 9 LV–2015 mitochondrial partial 16	LN868650	95.51	100	7.58209e–62	Ephemeroptera	Heptageniidae	Rhithrogena sp. 9 LV–2015
Rhithrogena hybrida mitochondrial partial 16S rRNA	LN868642	95.51	100	7.58209e–62	Ephemeroptera	Heptageniidae	Rhithrogena hybrida
Rhithrogena circumtatica mitochondrial partial 16	LN868641	95.51	100	7.58209e–62	Ephemeroptera	Heptageniidae	Rhithrogena circumtatica
Rhithrogena sp. 11 LV–2015 mitochondrial partial 1	LN868668	94.87	100	9.23688e–61	Ephemeroptera	Heptageniidae	Rhithrogena sp. 11 LV–2015
Rhithrogena eatoni mitochondrial partial 16S rRNA	LN868666	94.87	100	9.23688e–61	Ephemeroptera	Heptageniidae	Rhithrogena eatoni
Rhithrogena sp. 8 LV–2015 mitochondrial partial 16	LN868661	94.87	100	9.23688e–61	Ephemeroptera	Heptageniidae	Rhithrogena sp. 8 LV–2015
Rhithrogena sp. 6 LV–2015 mitochondrial partial 16	LN868655	94.87	100	9.23688e–61	Ephemeroptera	Heptageniidae	Rhithrogena sp. 6 LV–2015
Rhithrogena gratianopolitana mitochondrial partial	LN868647	94.87	100	9.23688e–61	Ephemeroptera	Heptageniidae	Rhithrogena gratianopolitana
Rhithrogena diensis mitochondrial partial 16S rRNA	LN868637	94.87	100	9.23688e–61	Ephemeroptera	Heptageniidae	Rhithrogena diensis
Rhithrogena germanica mitochondrial partial 16S rR	LN868660	94.23	100	3.22399e–60	Ephemeroptera	Heptageniidae	Rhithrogena germanica
Rhithrogena beskidensis mitochondrial partial 16S	LN868645	94.23	100	3.22399e–60	Ephemeroptera	Heptageniidae	Rhithrogena beskidensis
Rhithrogena sp. 10 LV–2015 mitochondrial partial 1	LN868664	93.59	100	3.92762e–59	Ephemeroptera	Heptageniidae	Rhithrogena sp. 10 LV–2015
Rhithrogena corcontica mitochondrial partial 16S r	LN868662	94.23	100	3.92762e–59	Ephemeroptera	Heptageniidae	Rhithrogena corcontica
Rhithrogena savoiensis mitochondrial partial 16S r	LN868658	93.59	100	3.92762e–59	Ephemeroptera	Heptageniidae	Rhithrogena savoiensis
Rhithrogena gratianopolitana mitochondrial partial	LN868648	94.23	100	3.92762e–59	Ephemeroptera	Heptageniidae	Rhithrogena gratianopolitana
Rhithrogena landai mitochondrial partial 16S rRNA	LN868644	94.23	100	3.92762e–59	Ephemeroptera	Heptageniidae	Rhithrogena landai
Rhithrogena insularis mitochondrial partial 16S rR	LN868665	93.59	100	4.78482e–58	Ephemeroptera	Heptageniidae	Rhithrogena insularis
Rhithrogena grischuna mitochondrial partial 16S rR	LN868639	93.59	100	4.78482e–58	Ephemeroptera	Heptageniidae	Rhithrogena grischuna
Rhithrogena nuragica mitochondrial partial 16S rRN	LN868667	92.95	100	2.03456e–56	Ephemeroptera	Heptageniidae	Rhithrogena nuragica
Rhithrogena doriei mitochondrial partial 16S rRNA	LN868649	91.67	100	8.65116e–55	Ephemeroptera	Heptageniidae	Rhithrogena doriei
Rhithrogena allobrogica mitochondrial partial 16S	LN868640	91.67	100	1.05393e–53	Ephemeroptera	Heptageniidae	Rhithrogena allobrogica
Rhithrogena sartorii mitochondrial partial 16S rRN	LN868670	90.38	100	4.48141e–52	Ephemeroptera	Heptageniidae	Rhithrogena sartorii
Rhithrogena sp. EP021 16S ribosomal RNA gene, part	AY749765	84.62	100	3.93109e–40	Ephemeroptera	Heptageniidae	Rhithrogena sp. EP021
Cinygmula sp. m185 mitochondrial partial 16S rRNA	LN868675	80.77	100	5.4643e–32	Ephemeroptera	Heptageniidae	Cinygmula sp. m185
Cinygmula sp. EP013 16S ribosomal RNA gene, partia	AY749760	80.77	100	5.4643e–32	Ephemeroptera	Heptageniidae	Cinygmula sp. EP013
Paegniodes cupulatus mitochondrion, complete genom	HM004123	77.07	100	3.93457e–21	Ephemeroptera	Heptageniidae	Paegniodes cupulatus
Cultus pilatus 16S ribosomal RNA gene, partial seq	EF623212	83.17	64.74	2.03816e–18	Plecoptera	Perlodidae	Cultus pilatus
Heptagenia sp. EP018 16S ribosomal RNA gene, parti	AY749762	77.54	87.82	2.03816e–18	Ephemeroptera	Heptageniidae	Heptagenia sp. EP018
Neopanorpa pulchra mitochondrion, complete genome	JX569848	82.18	64.74	2.48298e–17	Mecoptera	Panorpidae	Neopanorpa pulchra
Simcocephalus sp. EIZ–2011 isolate Brb1–Sim1 16S ri	JN874613	84.16	63.46	2.48298e–17	Diplostraca	Daphniidae	Simcocephalus sp. EIZ–2011
Neopanorpa pulchra mitochondrion, complete genome	FJ169955	82.18	64.74	2.48298e–17	Mecoptera	Panorpidae	Neopanorpa pulchra
Thaumatoperla sp. BYU_PL109 16S ribosomal RNA gene	EF623149	82.18	64.74	2.48298e–17	Plecoptera	Eustheniidae	Thaumatoperla sp. BYU_PL109
Neopanorpa sp. M24899 16S ribosomal RNA gene, part	AF180059	82.18	64.74	2.48298e–17	Mecoptera	Panorpidae	Neopanorpa sp. M24899
Arthroplea bipunctata 16S ribosomal RNA gene, part	AY749817	82.83	63.46	2.48298e–17	Ephemeroptera	Arthropleidae	Arthroplea bipunctata
Remenus bilobatus 16S ribosomal RNA gene, partial	EF623233	82	64.1	8.66646e–17	Plecoptera	Perlodidae	Remenus bilobatus
Capnura wanica 16S ribosomal RNA gene, partial seq	EF623128	82.52	64.74	8.66646e–17	Plecoptera	Capniidae	Capnura wanica
Chiloporter sp. EP051 16S ribosomal RNA gene, part	AY749776	75.16	100	8.66646e–17	Ephemeroptera	Ameletopsidae	Chiloporter sp. EP051
Apteroperla tikumana mitochondrion, complete genom	KR604721	81.73	64.74	3.02489e–16	Plecoptera	Capniidae	Apteroperla tikumana
Simcocephalus vetulus 16S ribosomal RNA gene, parti	DQ470576	82.24	67.31	3.02489e–16	Diplostraca	Daphniidae	Simcocephalus vetulus
Isoperla oxylepis 16S ribosomal RNA gene, partial	EF623221	81.9	66.67	1.05579e–15	Plecoptera	Perlodidae	Isoperla oxylepis
Isoperla davisii 16S ribosomal RNA gene, partial se	EF623206	81.9	66.67	1.05579e–15	Plecoptera	Perlodidae	Isoperla davisii
Eusthenia costalis 16S ribosomal RNA gene, partial	EF623150	81.19	64.74	1.05579e–15	Plecoptera	Eustheniidae	Eusthenia costalis
Penturoperla barbata 16S ribosomal RNA gene, parti	EF623124	81.19	64.74	1.05579e–15	Plecoptera	Austroperlidae	Penturoperla barbata
Austroperla cyrene 16S ribosomal RNA gene, partial	EF623120	77.08	89.1	1.05579e–15	Plecoptera	Austroperlidae	Austroperla cyrene
Cinygma sp. EP123 16S ribosomal RNA gene, partial	AY749804	82	64.1	1.05579e–15	Ephemeroptera	Heptageniidae	Cinygma sp. EP123
Anaetris eximia 16S ribosomal RNA gene, partial s	AY749797	82.35	64.74	1.05579e–15	Ephemeroptera	Acanthametropodidae	Anaetris eximia
Pachyrhamma edwardsii voucher CW122 16S ribosomal	HM594508	81.55	64.74	3.68507e–15	Orthoptera	Rhaphidophoridae	Pachyrhamma edwardsii
Heteromallus cavicola voucher MIL 16S ribosomal RN	HM594499	81	64.1	3.68507e–15	Orthoptera	Rhaphidophoridae	Heteromallus cavicola
Bolotoperla rossi 16S ribosomal RNA gene, partial	EF623269	79.82	70.51	3.68507e–15	Plecoptera	Taeniopterygidae	Bolotoperla rossi
Pteronarcys californica 16S ribosomal RNA gene, pa	EF623261	81	64.1	3.68507e–15	Plecoptera	Pteronarcyidae	Pteronarcys californica
Perlinores aurea 16S ribosomal RNA gene, partial s	EF623234	81.37	64.74	3.68507e–15	Plecoptera	Perlodidae	Perlinores aurea
Austronemoura sp. BYU_PL149 16S ribosomal RNA gene	EF623200	81.37	64.74	3.68507e–15	Plecoptera	Notonemouridae	Austronemoura sp. BYU_PL149
Calileuctra ephemera 16S ribosomal RNA gene, parti	EF623181	81.82	62.82	3.68507e–15	Plecoptera	Leuctridae	Calileuctra ephemera
Perlomyia utahensis 16S ribosomal RNA gene, partia	EF623179	81.82	62.82	3.68507e–15	Plecoptera	Leuctridae	Perlomyia utahensis
Chloroperla tripunctata 16S ribosomal RNA gene, pa	EF623137	80.77	66.03	3.68507e–15	Plecoptera	Chloroperlidae	Chloroperla tripunctata
Pteronarcys princeps mitochondrion, complete genom	AY687866	81	64.1	3.68507e–15	Plecoptera	Pteronarcyidae	Pteronarcys princeps
Dipteromimim sp. Ofunato–1 mitochondrial gene for	AB110236	81	64.1	3.68507e–15	Ephemeroptera	Dipteromimidae	Dipteromimim sp. Ofunato–1
Epeorus longimanus 16S ribosomal RNA gene, partial	AY749757	74.36	99.36	3.68507e–15	Ephemeroptera	Heptageniidae	Epeorus longimanus
Mesocapnia arizonensis mitochondrion, partial geno	KP642637	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Mesocapnia arizonensis
Apterodorcus bacchus voucher SK121 16S ribosomal R	KP250211	80.2	64.74	1.28622e–14	Coleoptera	Lucanidae	Apterodorcus bacchus
Allocaupnia recta isolate H19 16S ribosomal RNA gen	KC881054	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Allocaupnia recta isolate H16 16S ribosomal RNA gen	KC881051	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Allocaupnia recta isolate H15 16S ribosomal RNA gen	KC881050	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Allocaupnia recta isolate H14 16S ribosomal RNA gen	KC881049	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Allocaupnia recta isolate H13 16S ribosomal RNA gen	KC881048	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Allocaupnia recta isolate H11 16S ribosomal RNA gen	KC881046	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Allocaupnia recta isolate H10 16S ribosomal RNA gen	KC881045	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Allocaupnia recta isolate H7 16S ribosomal RNA gene	KC881042	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Allocaupnia recta isolate H6 16S ribosomal RNA gene	KC881041	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Allocaupnia recta isolate H3 16S ribosomal RNA gene	KC881038	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Dolichopoda hyrcana voucher LEN 16S ribosomal RNA	EU887871	80.2	64.74	1.28622e–14	Orthoptera	Rhaphidophoridae	Dolichopoda hyrcana
Pteronarcys sachalina 16S ribosomal RNA gene, part	EF623264	80.2	64.74	1.28622e–14	Plecoptera	Pteronarcyidae	Pteronarcys sachalina
Salmoperla sylvanica 16S ribosomal RNA gene, parti	EF623222	81.19	64.1	1.28622e–14	Plecoptera	Perlodidae	Salmoperla sylvanica
Megarcys signata 16S ribosomal RNA gene, partial s	EF623215	81.19	64.1	1.28622e–14	Plecoptera	Perlodidae	Megarcys signata
Kimminsoperla albomacula 16S ribosomal RNA gene, p	EF623202	80.2	64.74	1.28622e–14	Plecoptera	Notonemouridae	Kimminsoperla albomacula
Claudioperla sp. BYU_PL158 16S ribosomal RNA gene,	EF623169	81.19	64.1	1.28622e–14	Plecoptera	Gripopterygidae	Claudioperla sp. BYU_PL158
Pelurgoperla personata 16S ribosomal RNA gene, par	EF623168	81.19	64.1	1.28622e–14	Plecoptera	Gripopterygidae	Pelurgoperla personata
Antarctoperla sp. BYU_PL142 16S ribosomal RNA gene	EF623163	81.19	64.1	1.28622e–14	Plecoptera	Gripopterygidae	Antarctoperla sp. BYU_PL142
Diamphipnopsis sp. BYU_PL138 16S ribosomal RNA gen	EF623145	81.19	64.1	1.28622e–14	Plecoptera	Diamphipnoidae	Diamphipnopsis sp. BYU_PL138
Allocaupnia minima 16S ribosomal RNA gene, partial	EF623130	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia minima
Mesocapnia sp. BYU_PL010 16S ribosomal RNA gene, p	EF623127	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Mesocapnia sp. BYU_PL010
Tasmanoperla larvalis 16S ribosomal RNA gene, part	EF623125	81.19	64.1	1.28622e–14	Plecoptera	Austroperlidae	Tasmanoperla larvalis
Allocaupnia recta haplotype 12ar: H12 16S ribosomal	EU306875	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta
Allocaupnia recta haplotype 11ar: H011 16S ribosoma	EU306874	80.77	64.74	1.28622e–14	Plecoptera	Capniidae	Allocaupnia recta