

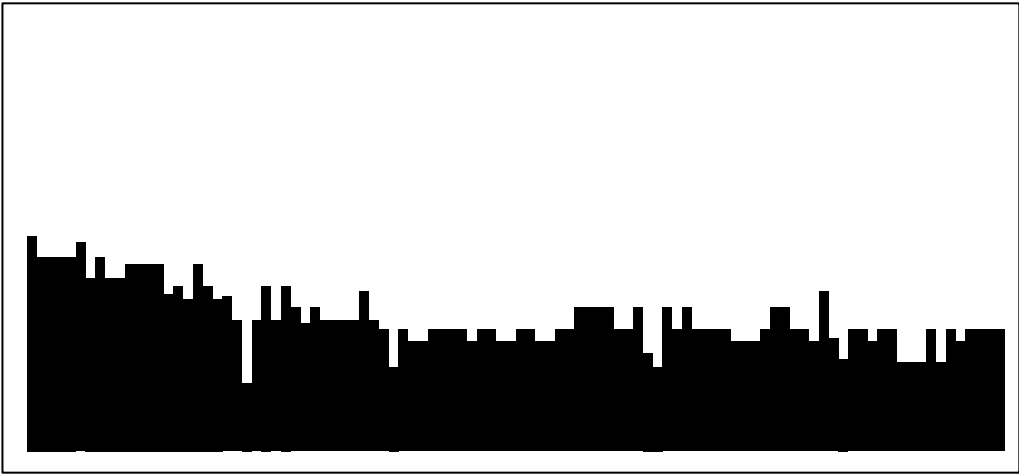
OTU\_228.csv

Nemoura cinerea

Nemouridae

Plecoptera

90.1



|   |          |       |       |             |                 |                  |                             |
|---|----------|-------|-------|-------------|-----------------|------------------|-----------------------------|
| Nemoura cinerea 16S ribosomal RNA gene, partial se  | EF623194 | 90.1  | 62.35 | 2.97094e-29 | Plecoptera      | Nemouridae       | Nemoura cinerea             |
| Prostoia besametsa 16S ribosomal RNA gene, partial  | EF623188 | 89.11 | 62.35 | 1.26327e-27 | Plecoptera      | Nemouridae       | Prostoia besametsa          |
| Nemoura trispinosa 16S ribosomal RNA gene, partial  | EF623187 | 89.11 | 62.35 | 1.26327e-27 | Plecoptera      | Nemouridae       | Nemoura trispinosa          |
| Paranemoura claasseni 16S ribosomal RNA gene, part  | EF623185 | 89.11 | 62.35 | 1.26327e-27 | Plecoptera      | Nemouridae       | Paranemoura claasseni       |
| Shipsa rotunda 16S ribosomal RNA gene, partial seq  | EF623184 | 89.11 | 62.35 | 1.26327e-27 | Plecoptera      | Nemouridae       | Shipsa rotunda              |
| Malenka californica 16S ribosomal RNA gene, partia  | EF623182 | 89.8  | 60.49 | 1.26327e-27 | Plecoptera      | Nemouridae       | Malenka californica         |
| Notonemouridae sp. MD-2011 voucher ZMUC:JD-1507 16  | JN615257 | 88.12 | 62.35 | 1.53898e-26 | Plecoptera      | Notonemouridae   | Notonemouridae sp. MD-2011  |
| Calineuria californica 16S ribosomal RNA gene, par  | EF623239 | 89.11 | 62.35 | 1.53898e-26 | Plecoptera      | Perlidae         | Calineuria californica      |
| Lednia tumana 16S ribosomal RNA gene, partial sequ  | EF623197 | 88.12 | 62.35 | 1.53898e-26 | Plecoptera      | Nemouridae       | Lednia tumana               |
| Protonemura meyeri 16S ribosomal RNA gene, partial  | EF623193 | 88.12 | 62.35 | 1.53898e-26 | Plecoptera      | Nemouridae       | Protonemura meyeri          |
| Scopura montana 16S ribosomal RNA gene, partial se  | EF623265 | 88.78 | 60.49 | 5.37158e-26 | Plecoptera      |                  | Scopura montana             |
| Nanonemoura wahkeena 16S ribosomal RNA gene, parti  | EF623198 | 88.78 | 60.49 | 5.37158e-26 | Plecoptera      | Nemouridae       | Nanonemoura wahkeena        |
| Ostrocerca foersteri 16S ribosomal RNA gene, parti  | EF623191 | 88.78 | 60.49 | 5.37158e-26 | Plecoptera      | Nemouridae       | Ostrocerca foersteri        |
| Visoka cataractae 16S ribosomal RNA gene, partial   | EF623189 | 88.78 | 60.49 | 5.37158e-26 | Plecoptera      | Nemouridae       | Visoka cataractae           |
| Hansonoperla appalachia 16S ribosomal RNA gene, pa  | EF623249 | 87.38 | 62.35 | 1.87487e-25 | Plecoptera      | Perlidae         | Hansonoperla appalachia     |
| Apteroperla tikumana mitochondrion, complete genom  | KR604721 | 87.76 | 60.49 | 6.54393e-25 | Plecoptera      | Capniidae        | Apteroperla tikumana        |
| Dolichopoda pavesii voucher SPI 16S ribosomal RNA   | EF216951 | 87.13 | 62.35 | 6.54393e-25 | Orthoptera      | Rhaphidophoridae | Dolichopoda pavesii         |
| Pteronarcys sachalina 16S ribosomal RNA gene, part  | EF623264 | 88.78 | 60.49 | 6.54393e-25 | Plecoptera      | Pteronarcyidae   | Pteronarcys sachalina       |
| Zapada cinctipes 16S ribosomal RNA gene, partial s  | EF623183 | 87.76 | 60.49 | 6.54393e-25 | Plecoptera      | Nemouridae       | Zapada cinctipes            |
| Megaleuctra kincaidi 16S ribosomal RNA gene, parti  | EF623174 | 87.13 | 62.35 | 6.54393e-25 | Plecoptera      | Leuctridae       | Megaleuctra kincaidi        |
| Perlinella drymo 16S ribosomal RNA gene, partial s  | EF623240 | 87.25 | 62.35 | 2.28405e-24 | Plecoptera      | Perlidae         | Perlinella drymo            |
| Doddsia occidentalis 16S ribosomal RNA gene, parti  | EF623270 | 86.14 | 62.35 | 7.97213e-24 | Plecoptera      | Taeniopterygidae | Doddsia occidentalis        |
| Brachyptera seticornis 16S ribosomal RNA gene, par  | EF623268 | 83.19 | 73.46 | 7.97213e-24 | Plecoptera      | Taeniopterygidae | Brachyptera seticornis      |
| Pteronarcella badia 16S ribosomal RNA gene, partia  | EF623262 | 86.14 | 62.35 | 7.97213e-24 | Plecoptera      | Pteronarcyidae   | Pteronarcella badia         |
| Moselia infuscata 16S ribosomal RNA gene, partial   | EF623175 | 87.76 | 60.49 | 7.97213e-24 | Plecoptera      | Leuctridae       | Moselia infuscata           |
| Kathroperla perdita 16S ribosomal RNA gene, partia  | EF623135 | 86.14 | 62.35 | 7.97213e-24 | Plecoptera      | Chloroperlidae   | Kathroperla perdita         |
| Osmylus sp. EH-2004 16S ribosomal RNA gene, partia  | AY620146 | 87.76 | 60.49 | 7.97213e-24 | Neuroptera      | Osmylidae        | Osmylus sp. EH-2004         |
| Dolichopoda sp. MR-2008 16S ribosomal RNA gene, pa  | EU887863 | 86.73 | 60.49 | 2.78255e-23 | Orthoptera      | Rhaphidophoridae | Dolichopoda lustriae        |
| Udamocercia sp. BYU_PL150 16S ribosomal RNA gene,   | EF623201 | 86    | 61.73 | 2.78255e-23 | Plecoptera      | Notonemouridae   | Udamocercia sp. BYU_PL150   |
| Nemurella pictetii 16S ribosomal RNA gene, partial  | EF623192 | 86.73 | 60.49 | 2.78255e-23 | Plecoptera      | Nemouridae       | Nemurella pictetii          |
| Cryptoperla sp. YK-2012-1 mitochondrial gene for 1  | AB711243 | 86.14 | 62.35 | 9.71205e-23 | Plecoptera      | Peltoperlidae    | Cryptoperla sp. YK-2012-1   |
| Cryptoperla ishigakiensis mitochondrial gene for 1  | AB711242 | 86.14 | 62.35 | 9.71205e-23 | Plecoptera      | Peltoperlidae    | Cryptoperla ishigakiensis   |
| Pteronarcys scotti 16S ribosomal RNA gene, partial  | EF623263 | 86.14 | 62.35 | 9.71205e-23 | Plecoptera      | Pteronarcyidae   | Pteronarcys scotti          |
| Pteronarcys californica 16S ribosomal RNA gene, pa  | EF623261 | 86.14 | 62.35 | 9.71205e-23 | Plecoptera      | Pteronarcyidae   | Pteronarcys californica     |
| Grylloblatta sp. BYU_gb29.1 16S ribosomal RNA gene  | DQ457261 | 87.5  | 59.26 | 9.71205e-23 | Grylloblattodea | Grylloblattidae  | Grylloblatta sp. BYU_gb29.1 |
| Pteronarcys princeps mitochondrion, complete genom  | AY687866 | 86.14 | 62.35 | 9.71205e-23 | Plecoptera      | Pteronarcyidae   | Pteronarcys princeps        |
| Mesocapnia arizonensis mitochondrion, partial geno  | KP642637 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Mesocapnia arizonensis      |
| Dinocras cephalotes mitochondrion, complete genome  | KF484757 | 83.96 | 62.35 | 3.38984e-22 | Plecoptera      | Perlidae         | Dinocras cephalotes         |
| Allocapnia recta isolate H19 16S ribosomal RNA gen  | KC881054 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H18 16S ribosomal RNA gen  | KC881053 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H17 16S ribosomal RNA gen  | KC881052 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H16 16S ribosomal RNA gen  | KC881051 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H15 16S ribosomal RNA gen  | KC881050 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H14 16S ribosomal RNA gen  | KC881049 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H13 16S ribosomal RNA gen  | KC881048 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H12 16S ribosomal RNA gen  | KC881047 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H11 16S ribosomal RNA gen  | KC881046 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H10 16S ribosomal RNA gen  | KC881045 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H9 16S ribosomal RNA gene  | KC881044 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H8 16S ribosomal RNA gene  | KC881043 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H7 16S ribosomal RNA gene  | KC881042 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H6 16S ribosomal RNA gene  | KC881041 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H5 16S ribosomal RNA gene  | KC881040 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H4 16S ribosomal RNA gene  | KC881039 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H3 16S ribosomal RNA gene  | KC881038 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta isolate H1 16S ribosomal RNA gene  | KC881036 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Cryptoperla japonica mitochondrial gene for 16S rR  | AB711202 | 86.73 | 60.49 | 3.38984e-22 | Plecoptera      | Peltoperlidae    | Cryptoperla japonica        |
| Cryptoperla japonica mitochondrial gene for 16S rR  | AB711184 | 86.73 | 60.49 | 3.38984e-22 | Plecoptera      | Peltoperlidae    | Cryptoperla japonica        |
| Cryptoperla japonica mitochondrial gene for 16S rR  | AB711183 | 86.73 | 60.49 | 3.38984e-22 | Plecoptera      | Peltoperlidae    | Cryptoperla japonica        |
| Cryptoperla japonica mitochondrial gene for 16S rR  | AB711182 | 86.73 | 60.49 | 3.38984e-22 | Plecoptera      | Peltoperlidae    | Cryptoperla japonica        |
| Dolichopoda steriotisi voucher ANT 16S ribosomal R  | EF216955 | 85.71 | 60.49 | 3.38984e-22 | Orthoptera      | Rhaphidophoridae | Dolichopoda steriotisi      |
| Oemopteryx vanduzeeae 16S ribosomal RNA gene, parti | EF623266 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Taeniopterygidae | Oemopteryx vanduzeeae       |
| Cerconychia sp. BYU_PL114 16S ribosomal RNA gene,   | EF623260 | 86.73 | 60.49 | 3.38984e-22 | Plecoptera      | Styloperlidae    | Cerconychia sp. BYU_PL114   |
| Acroneuria lycorias 16S ribosomal RNA gene, partia  | EF623251 | 84.62 | 62.35 | 3.38984e-22 | Plecoptera      | Perlidae         | Acroneuria lycorias         |
| Dinocras cephalotes 16S ribosomal RNA gene, partia  | EF623244 | 83.96 | 62.35 | 3.38984e-22 | Plecoptera      | Perlidae         | Dinocras cephalotes         |
| Cosumnoperla hypocrena 16S ribosomal RNA gene, par  | EF623226 | 86.73 | 60.49 | 3.38984e-22 | Plecoptera      | Perlodidae       | Cosumnoperla hypocrena      |
| Amphinemura sulcicollis 16S ribosomal RNA gene, pa  | EF623195 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Nemouridae       | Amphinemura sulcicollis     |
| Galloisiana nipponensis 16S ribosomal RNA gene, pa  | EF623153 | 86.73 | 60.49 | 3.38984e-22 | Grylloblattodea | Grylloblattidae  | Galloisiana nipponensis     |
| Allocapnia minima 16S ribosomal RNA gene, partial   | EF623130 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia minima           |
| Mesocapnia sp. BYU_PL010 16S ribosomal RNA gene, p  | EF623127 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Mesocapnia sp. BYU_PL010    |
| Allocapnia recta haplotype 12ar: H12 16S ribosomal  | EU306875 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta haplotype 11ar: H011 16S ribosoma  | EU306874 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta haplotype 10ar: H010 16S ribosoma  | EU306873 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta haplotype 9ar: H09 16S ribosomal   | EU306872 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta haplotype 8ar: H08 16S ribosomal   | EU306871 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta haplotype 7ar: H07 16S ribosomal   | EU306870 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Galloisiana yuasai voucher BYU_gb13.2 16S ribosoma  | DQ457244 | 86.73 | 60.49 | 3.38984e-22 | Grylloblattodea | Grylloblattidae  | Galloisiana yuasai          |
| Galloisiana yuasai voucher BYU_gb13.1 16S ribosoma  | DQ457243 | 86.73 | 60.49 | 3.38984e-22 | Grylloblattodea | Grylloblattidae  | Galloisiana yuasai          |
| Allocapnia recta haplotype 3ar: H03 16S ribosomal   | DQ915181 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta haplotype 2ar: H02 16S ribosomal   | DQ915180 | 85.71 | 60.49 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Allocapnia recta haplotype 1ar: H01 16S ribosomal   | DQ915179 | 85.15 | 62.35 | 3.38984e-22 | Plecoptera      | Capniidae        | Allocapnia recta            |
| Thanatophyllum akinetum voucher BYU IGC CR001 16S   | KF372495 | 87.5  | 59.26 | 1.18317e-21 | Blattodea       | Blaberidae       | Thanatophyllum akinetum     |
| Eccoptura xanthenes 16S ribosomal RNA gene, partia  | EF623252 | 85.29 | 62.35 | 1.18317e-21 | Plecoptera      | Perlidae         | Eccoptura xanthenes         |
| Helopicus bogaloosa 16S ribosomal RNA gene, partia  | EF623228 | 84.31 | 62.96 | 1.18317e-21 | Plecoptera      | Perlodidae       | Helopicus bogaloosa         |
| Gerstaeckerella chilensis 16S ribosomal RNA gene,   | KM051513 | 85.71 | 60.49 | 4.12967e-21 | Neuroptera      | Mantispidae      | Gerstaeckerella chilensis   |
| Cryptoperla sp. YK-2012-2 mitochondrial gene for 1  | AB711244 | 85.71 | 60.49 | 4.12967e-21 | Plecoptera      | Peltoperlidae    | Cryptoperla sp. YK-2012-2   |
| Cryptoperla kawasawai mitochondrial gene for 16S r  | AB711236 | 85.15 | 62.35 | 4.12967e-21 | Plecoptera      | Peltoperlidae    | Cryptoperla kawasawai       |
| Galloisiana yuasai voucher ZMUC:JD-650 16S ribosom  | JN615261 | 85.71 | 60.49 | 4.12967e-21 | Grylloblattodea | Grylloblattidae  | Galloisiana yuasai          |
| Pachyrhamma edwardsii voucher CW122 16S ribosomal   | HM594508 | 85.71 | 60.49 | 4.12967e-21 | Orthoptera      | Rhaphidophoridae | Pachyrhamma edwardsii       |
| Dolichopoda hussoni voucher IZB 16S ribosomal RNA   | EF216973 | 84.16 | 62.35 | 4.12967e-21 | Orthoptera      | Rhaphidophoridae | Dolichopoda hussoni         |
| Dolichopoda thasosensis voucher DRA 16S ribosomal   | EF216956 | 84.16 | 62.35 | 4.12967e-21 | Orthoptera      | Rhaphidophoridae | Dolichopoda thasosensis     |
| Strophopteryx appalachia 16S ribosomal RNA gene, p  | EF623271 | 84.16 | 62.35 | 4.12967e-21 | Plecoptera      | Taeniopterygidae | Strophopteryx appalachia    |
| Soliperla campanula 16S ribosomal RNA gene, partia  | EF623256 | 85.71 | 60.49 | 4.12967e-21 | Plecoptera      | Peltoperlidae    | Soliperla campanula         |
| Pictetoperla sp. BYU_PL156 16S ribosomal RNA gene,  | EF623247 | 84.16 | 62.35 | 4.12967e-21 | Plecoptera      | Perlidae         | Pictetoperla sp. BYU_PL156  |
| Isoperla fulva 16S ribosomal RNA gene, partial seq  | EF623207 | 85.71 | 60.49 | 4.12967e-21 | Plecoptera      | Perlodidae       | Isoperla fulva              |
| Soyedina producta 16S ribosomal RNA gene, partial   | EF623196 | 85.15 | 62.35 | 4.12967e-21 | Plecoptera      | Nemouridae       | Soyedina producta           |
| Galloisiana yuasai 16S large subunit ribosomal RNA  | DQ890284 | 85.71 | 60.49 | 4.12967e-21 | Grylloblattodea | Grylloblattidae  | Galloisiana yuasai          |
| Galloisiana yuasai voucher BYU_gb12.1 16S ribosoma  | DQ457242 | 85.71 | 60.49 | 4.12967e-21 | Grylloblattodea | Grylloblattidae  | Galloisiana yuasai          |
| Macroxyela ferruginea 16S ribosomal RNA gene, part  | AY206773 | 85.71 | 60.49 | 4.12967e-21 | Hymenoptera     | Xyelidae         | Macroxyela ferruginea       |
| Xyela sp. Sus1 16S ribosomal RNA gene, partial seq  | AY206772 | 85.71 | 60.49 | 4.12967e-21 | Hymenoptera     | Xyelidae         | Xyela sp. Sus1              |