

OTU\_92.csv

Acroneuria lycorias

Perlidae

Plecoptera

87.5



|  |          |       |       |             |            |                  |                            |
|--|----------|-------|-------|-------------|------------|------------------|----------------------------|
| Acroneuria lycorias 16S ribosomal RNA gene, partia   | EF623251 | 87.5  | 62.73 | 5.32929e-26 | Plecoptera | Perlidae         | Acroneuria lycorias        |
| Hansonoperla appalachia 16S ribosomal RNA gene, pa   | EF623249 | 87.38 | 62.73 | 1.8601e-25  | Plecoptera | Perlidae         | Hansonoperla appalachia    |
| Dinocras cephalotes mitochondrion, complete genome   | KF484757 | 85.85 | 62.73 | 7.90936e-24 | Plecoptera | Perlidae         | Dinocras cephalotes        |
| Pictetoperla sp. BYU_PL156 16S ribosomal RNA gene,   | EF623247 | 86.14 | 62.73 | 7.90936e-24 | Plecoptera | Perlidae         | Pictetoperla sp. BYU_PL156 |
| Dinocras cephalotes 16S ribosomal RNA gene, partia   | EF623244 | 85.85 | 62.73 | 7.90936e-24 | Plecoptera | Perlidae         | Dinocras cephalotes        |
| Calineuria californica 16S ribosomal RNA gene, par   | EF623239 | 86.14 | 62.73 | 9.63557e-23 | Plecoptera | Perlidae         | Calineuria californica     |
| Notonemouridae sp. MD-2011 voucher ZMUC:JD-1507 16   | JN615257 | 85.15 | 62.73 | 3.36315e-22 | Plecoptera | Notonemouridae   | Notonemouridae sp. MD-2011 |
| Scopura montana 16S ribosomal RNA gene, partial se   | EF623265 | 85.71 | 60.87 | 3.36315e-22 | Plecoptera |                  | Scopura montana            |
| Agnetina capitata 16S ribosomal RNA gene, partial    | EF623241 | 85.71 | 60.87 | 3.36315e-22 | Plecoptera | Perlidae         | Agnetina capitata          |
| Megaleuctra kincaidi 16S ribosomal RNA gene, parti   | EF623174 | 85.15 | 62.73 | 3.36315e-22 | Plecoptera | Leuctridae       | Megaleuctra kincaidi       |
| Brachyptera seticornis 16S ribosomal RNA gene, par   | EF623268 | 77.86 | 86.96 | 1.17385e-21 | Plecoptera | Taeniopterygidae | Brachyptera seticornis     |
| Eccoptura xanthenes 16S ribosomal RNA gene, partia   | EF623252 | 85.29 | 62.73 | 1.17385e-21 | Plecoptera | Perlidae         | Eccoptura xanthenes        |
| Dolichopoda pavesii voucher SPI 16S ribosomal RNA    | EF216951 | 84.16 | 62.73 | 4.09715e-21 | Orthoptera | Rhaphidophoridae | Dolichopoda pavesii        |
| Pteronarcys sachalina 16S ribosomal RNA gene, part   | EF623264 | 85.71 | 60.87 | 4.09715e-21 | Plecoptera | Pteronarcyidae   | Pteronarcys sachalina      |
| Nemoura cinerea 16S ribosomal RNA gene, partial se   | EF623194 | 84.16 | 62.73 | 4.09715e-21 | Plecoptera | Nemouridae       | Nemoura cinerea            |
| Apteroperla tikumana mitochondrion, complete genom   | KR604721 | 84.69 | 60.87 | 1.43005e-20 | Plecoptera | Capniidae        | Apteroperla tikumana       |
| Pteronarcys scotti 16S ribosomal RNA gene, partial   | EF623263 | 76.97 | 93.79 | 1.43005e-20 | Plecoptera | Pteronarcyidae   | Pteronarcys scotti         |
| Perlinella drymo 16S ribosomal RNA gene, partial s   | EF623240 | 84.31 | 62.73 | 1.43005e-20 | Plecoptera | Perlidae         | Perlinella drymo           |
| Doddsia occidentalis 16S ribosomal RNA gene, parti   | EF623270 | 77.18 | 91.93 | 4.99135e-20 | Plecoptera | Taeniopterygidae | Doddsia occidentalis       |
| Cryptoperla japonica mitochondrial gene for 16S rR   | AB711202 | 84.69 | 60.87 | 1.74215e-19 | Plecoptera | Peltoperlidae    | Cryptoperla japonica       |
| Cryptoperla japonica mitochondrial gene for 16S rR   | AB711184 | 84.69 | 60.87 | 1.74215e-19 | Plecoptera | Peltoperlidae    | Cryptoperla japonica       |
| Dolichopoda sp. MR-2008 16S ribosomal RNA gene, pa   | EU887863 | 83.67 | 60.87 | 1.74215e-19 | Orthoptera | Rhaphidophoridae | Dolichopoda pavesii        |
| Kempnyella sp. BYU_PL155 16S ribosomal RNA gene, p   | EF623246 | 84.31 | 62.73 | 1.74215e-19 | Plecoptera | Perlidae         | Kempnyella sp. BYU_PL155   |
| Protonemura meyeri 16S ribosomal RNA gene, partial   | EF623193 | 83.17 | 62.73 | 1.74215e-19 | Plecoptera | Nemouridae       | Protonemura meyeri         |
| Nemurella pictetii 16S ribosomal RNA gene, partial   | EF623192 | 83.67 | 60.87 | 1.74215e-19 | Plecoptera | Nemouridae       | Nemurella pictetii         |
| Prostoia besametsa 16S ribosomal RNA gene, partial   | EF623188 | 83.17 | 62.73 | 1.74215e-19 | Plecoptera | Nemouridae       | Prostoia besametsa         |
| Nemoura trispinosa 16S ribosomal RNA gene, partial   | EF623187 | 83.17 | 62.73 | 1.74215e-19 | Plecoptera | Nemouridae       | Nemoura trispinosa         |
| Paranemoura claasseni 16S ribosomal RNA gene, part   | EF623185 | 83.17 | 62.73 | 1.74215e-19 | Plecoptera | Nemouridae       | Paranemoura claasseni      |
| Shipsa rotunda 16S ribosomal RNA gene, partial seq   | EF623184 | 83.17 | 62.73 | 1.74215e-19 | Plecoptera | Nemouridae       | Shipsa rotunda             |
| Malenka californica 16S ribosomal RNA gene, partia   | EF623182 | 83.67 | 60.87 | 1.74215e-19 | Plecoptera | Nemouridae       | Malenka californica        |
| Osmylus sp. EH-2004 16S ribosomal RNA gene, partia   | AY620146 | 84.69 | 60.87 | 1.74215e-19 | Neuroptera | Osmylidae        | Osmylus sp. EH-2004        |
| Pteronarcys californica 16S ribosomal RNA gene, pa   | EF623261 | 76.32 | 93.79 | 6.08071e-19 | Plecoptera | Pteronarcyidae   | Pteronarcys californica    |
| Eupholidoptera chabrieri voucher 173 16S ribosomal   | EU120792 | 83.17 | 62.73 | 6.08071e-19 | Orthoptera | Tettigoniidae    | Eupholidoptera chabrieri   |
| Allocapnia recta isolate H18 16S ribosomal RNA gen   | KC881053 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H17 16S ribosomal RNA gen   | KC881052 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H12 16S ribosomal RNA gen   | KC881047 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H9 16S ribosomal RNA gene   | KC881044 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H8 16S ribosomal RNA gene   | KC881043 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H5 16S ribosomal RNA gene   | KC881040 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H4 16S ribosomal RNA gene   | KC881039 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Cryptoperla japonica mitochondrial gene for 16S rR   | AB711183 | 83.67 | 60.87 | 2.12238e-18 | Plecoptera | Peltoperlidae    | Cryptoperla japonica       |
| Cryptoperla japonica mitochondrial gene for 16S rR   | AB711182 | 83.67 | 60.87 | 2.12238e-18 | Plecoptera | Peltoperlidae    | Cryptoperla japonica       |
| Micropathus tasmaniensis voucher JNC 16S ribosomal   | HM594507 | 83.33 | 62.73 | 2.12238e-18 | Orthoptera | Rhaphidophoridae | Micropathus tasmaniensis   |
| Micropathus tasmaniensis voucher IDB 16S ribosomal   | HM594505 | 83.33 | 62.73 | 2.12238e-18 | Orthoptera | Rhaphidophoridae | Micropathus tasmaniensis   |
| Lednia tumana 16S ribosomal RNA gene, partial sequ   | EF623197 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Nemouridae       | Lednia tumana              |
| Kathroperla perdita 16S ribosomal RNA gene, partia   | EF623135 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Chloroperlidae   | Kathroperla perdita        |
| Allocapnia recta haplotype 10ar: H010 16S ribosoma   | EU306873 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta haplotype 9ar: H09 16S ribosomal    | EU306872 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta haplotype 8ar: H08 16S ribosomal    | EU306871 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta haplotype 1ar: H01 16S ribosomal    | DQ915179 | 82.18 | 62.73 | 2.12238e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Pteronarcys princeps mitochondrion, complete genom   | AY687866 | 83.17 | 62.73 | 2.12238e-18 | Plecoptera | Pteronarcyidae   | Pteronarcys princeps       |
| Mesocapnia arizonensis mitochondrion, partial geno   | KP642637 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Mesocapnia arizonensis     |
| Allocapnia recta isolate H19 16S ribosomal RNA gen   | KC881054 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H16 16S ribosomal RNA gen   | KC881051 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H15 16S ribosomal RNA gen   | KC881050 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H14 16S ribosomal RNA gen   | KC881049 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H13 16S ribosomal RNA gen   | KC881048 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H11 16S ribosomal RNA gen   | KC881046 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H10 16S ribosomal RNA gen   | KC881045 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H7 16S ribosomal RNA gene   | KC881042 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H6 16S ribosomal RNA gene   | KC881041 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H3 16S ribosomal RNA gene   | KC881038 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta isolate H1 16S ribosomal RNA gene   | KC881036 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Cryptoperla sp. YK-2012-2 mitochondrial gene for 1   | AB711244 | 83    | 60.87 | 7.40782e-18 | Plecoptera | Peltoperlidae    | Cryptoperla sp. YK-2012-2  |
| Dolichopoda steriotisi voucher ANT 16S ribosomal R   | EF216955 | 82.65 | 60.87 | 7.40782e-18 | Orthoptera | Rhaphidophoridae | Dolichopoda steriotisi     |
| Taenionema palladium 16S ribosomal RNA gene, parti   | EF623267 | 82.35 | 62.73 | 7.40782e-18 | Plecoptera | Taeniopterygidae | Taenionema palladium       |
| Oemopteryx vanduzeeae 16S ribosomal RNA gene, parti  | EF623266 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Taeniopterygidae | Oemopteryx vanduzeeae      |
| Pteronarcella badia 16S ribosomal RNA gene, partia   | EF623262 | 82.52 | 62.73 | 7.40782e-18 | Plecoptera | Pteronarcyidae   | Pteronarcella badia        |
| Udamocercia sp. BYU_PL150 16S ribosomal RNA gene,    | EF623201 | 82    | 62.11 | 7.40782e-18 | Plecoptera | Notonemouridae   | Udamocercia sp. BYU_PL150  |
| Nanonemoura wahkeena 16S ribosomal RNA gene, parti   | EF623198 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Nemouridae       | Nanonemoura wahkeena       |
| Ostrocerca foersteri 16S ribosomal RNA gene, parti   | EF623191 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Nemouridae       | Ostrocerca foersteri       |
| Visoka cataractae 16S ribosomal RNA gene, partial    | EF623189 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Nemouridae       | Visoka cataractae          |
| Zapada cinctipes 16S ribosomal RNA gene, partial s   | EF623183 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Nemouridae       | Zapada cinctipes           |
| Allocapnia minima 16S ribosomal RNA gene, partial    | EF623130 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia minima          |
| Mesocapnia sp. BYU_PL010 16S ribosomal RNA gene, p   | EF623127 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Mesocapnia sp. BYU_PL010   |
| Allocapnia recta haplotype 12ar: H12 16S ribosomal   | EU306875 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta haplotype 11ar: H011 16S ribosoma   | EU306874 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta haplotype 7ar: H07 16S ribosomal    | EU306870 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta haplotype 3ar: H03 16S ribosomal    | DQ915181 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Allocapnia recta haplotype 2ar: H02 16S ribosomal    | DQ915180 | 82.65 | 60.87 | 7.40782e-18 | Plecoptera | Capniidae        | Allocapnia recta           |
| Eupholidoptera uvarovi isolate KAS1 16S ribosomal    | KC852312 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera uvarovi     |
| Eupholidoptera smyrnensis isolate KOY1 16S ribosom   | KC852309 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera smyrnensis  |
| Eupholidoptera megastyla isolate ALE1 16S ribosoma   | KC852308 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera megastyla   |
| Eupholidoptera hesperica isolate MAR3 16S ribosoma   | KC852304 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera hesperica   |
| Eupholidoptera hesperica isolate MAR1 16S ribosoma   | KC852302 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera hesperica   |
| Eupholidoptera danconai isolate ROG1 16S ribosomal   | KC852297 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera danconai    |
| Eupholidoptera danconai isolate TRL2 16S ribosomal   | KC852296 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera danconai    |
| Eupholidoptera danconai isolate JEN1 16S ribosomal   | KC852294 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera danconai    |
| Eupholidoptera danconai isolate PIE1 16S ribosomal   | KC852292 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera danconai    |
| Eupholidoptera bimucronata isolate MAD1 16S riboso   | KC852289 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera bimucronata |
| Eupholidoptera bimucronata isolate PTR1 16S riboso   | KC852287 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera bimucronata |
| Eupholidoptera bimucronata isolate GIB3 16S riboso   | KC852285 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera bimucronata |
| Eupholidoptera bimucronata isolate GIB2 16S riboso   | KC852284 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera bimucronata |
| Eupholidoptera bimucronata isolate GIB1 16S riboso   | KC852283 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera bimucronata |
| Eupholidoptera magnifica isolate ARB1 16S ribosoma   | KC852277 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera magnifica   |
| Eupholidoptera magnifica isolate BIG1 16S ribosoma   | KC852275 | 82.18 | 62.73 | 2.58558e-17 | Orthoptera | Tettigoniidae    | Eupholidoptera magnifica   |
| Cryptoperla sp. YK-2012-1 mitochondrial gene for 1   | AB711243 | 82.18 | 62.73 | 2.58558e-17 | Plecoptera | Peltoperlidae    | Cryptoperla sp. YK-2012-1  |
| Cryptoperla ishigakiensis mitochondrial gene for 1   | AB711242 | 82.18 | 62.73 | 2.58558e-17 | Plecoptera | Peltoperlidae    | Cryptoperla ishigakiensis  |
| Isooperla davisii 16S ribosomal RNA gene, partial se | EF623206 | 76.67 | 91.93 | 2.58558e-17 | Plecoptera | Perlodidae       | Isooperla davisii          |
| Soyedina producta 16S ribosomal RNA gene, partial    | EF623196 | 82.18 | 62.73 | 2.58558e-17 | Plecoptera | Nemouridae       | Soyedina producta          |