

1 Supplementary data for

2 **Phylogenomic and functional analyses of salmon lice aquaporins uncover**
3 **the molecular diversity of the superfamily in Arthropoda**

4 by

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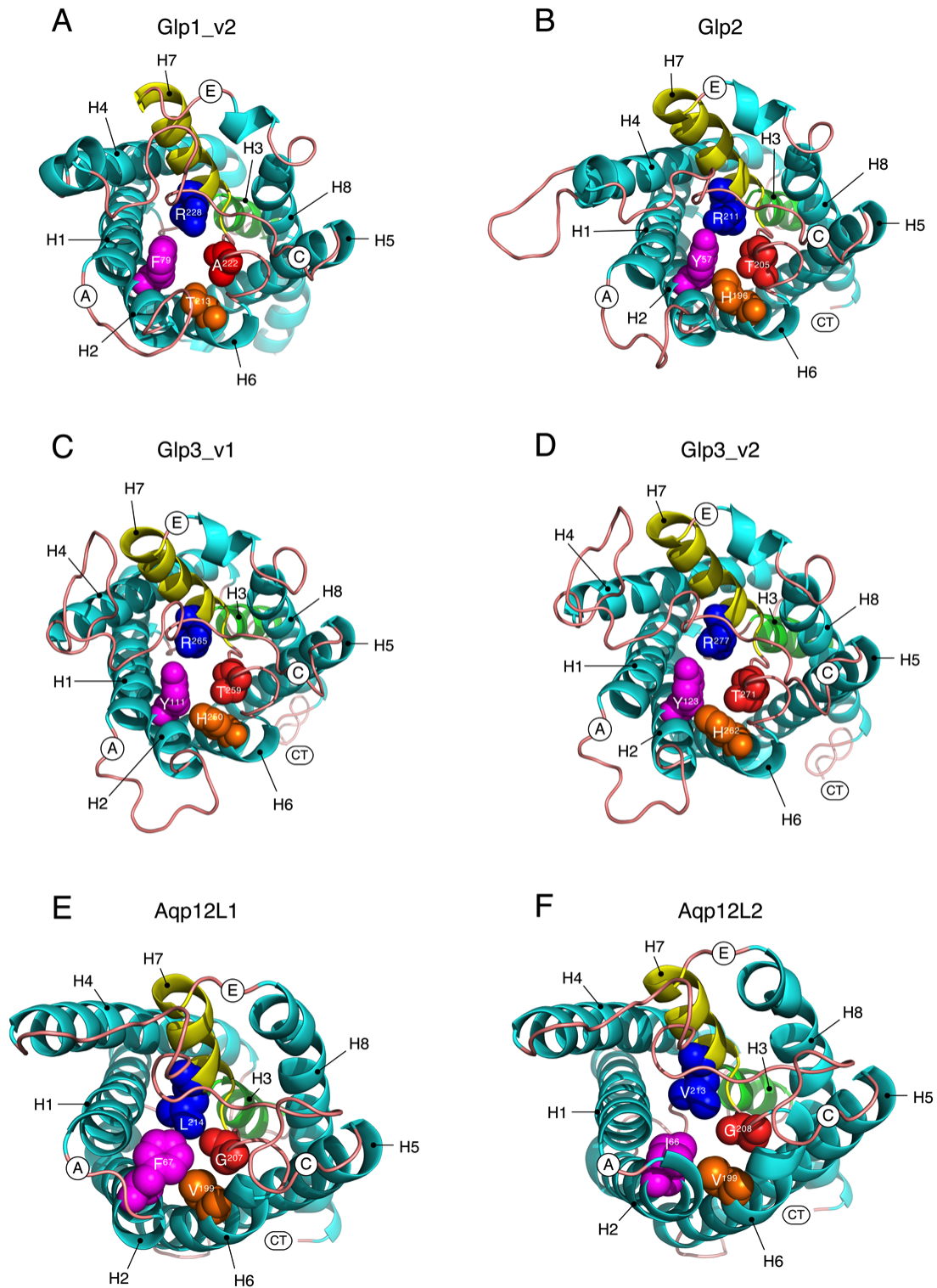
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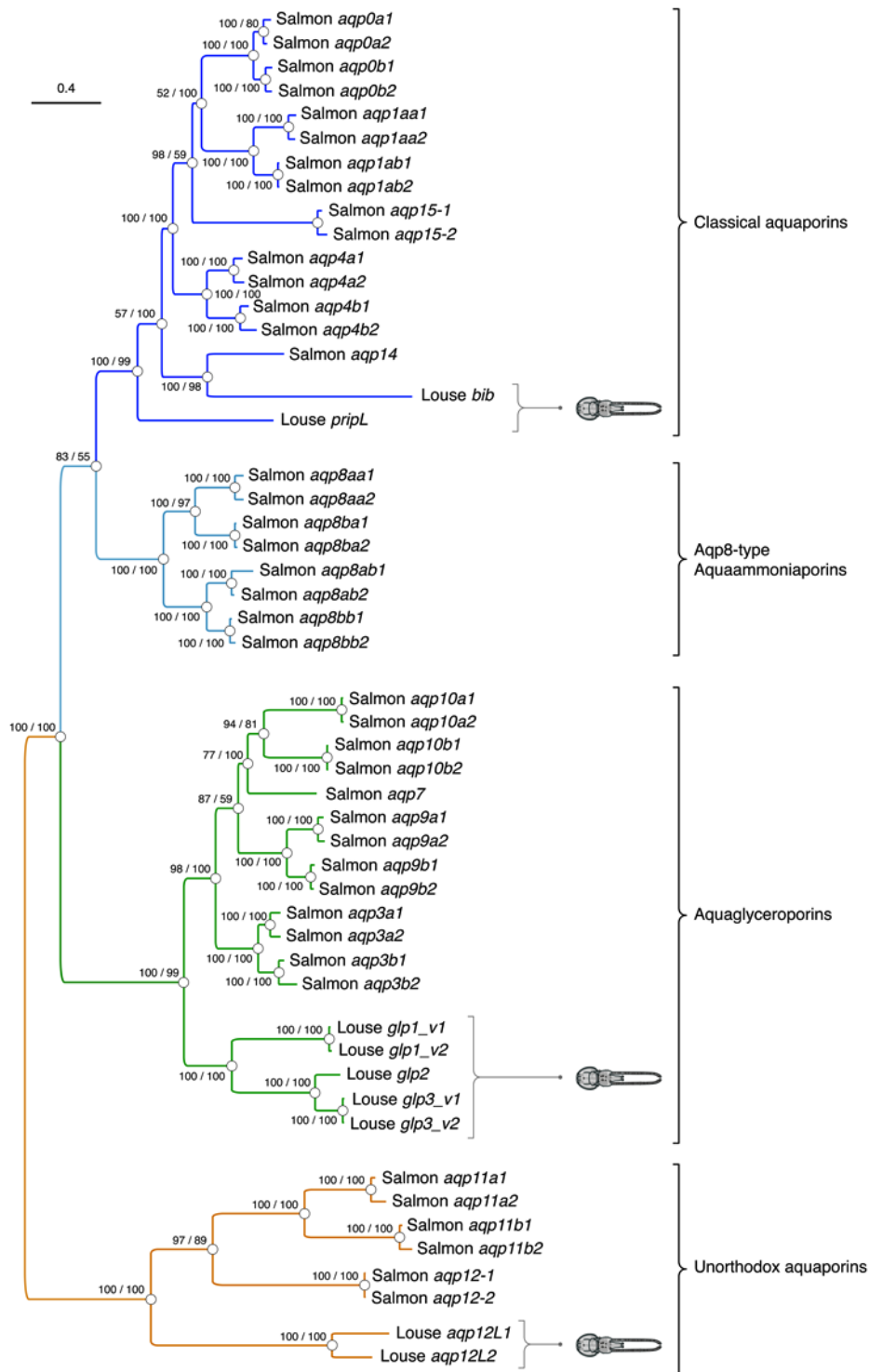
10 **Supplemental information**

11 **Additional file 1**



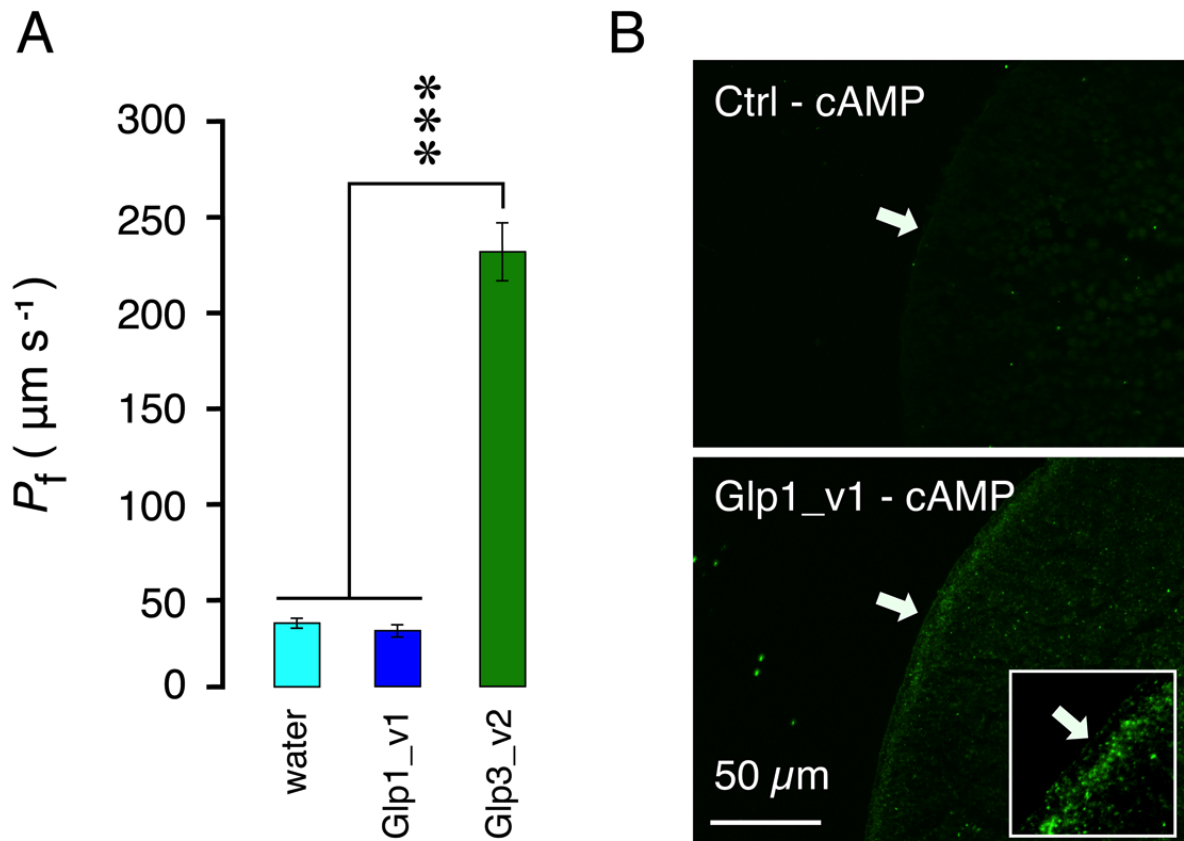
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13 **Figure S1.** Extracellular views of cartoon renders of salmon louse aquaporins illustrating the ar/R
14 constriction residues (spacefill) that determine the molecular selectivity of the channel. Labels are
15 annotated as for Figure 1 in the main text.



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22 **Figure S3.** Bayesian majority-rule mid-point rooted tree of a codon alignment of the aquaporin
 23 superfamilies in the Atlantic salmon and salmon louse. The tree was inferred from 1 million MCMC
 24 generations on 57,075 nucleotide sites. Posterior probabilities of the codon/amino acid analyses are
 25 shown at each node. Scale bar represents the number of nucleotide substitutions per site.



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27 **Figure S4.** In the absence of cAMP, salmon louse Glp1_v1 is non functional in *X. laevis* oocytes. (A)
 28 Osmotic water permeability (P_f) of Glp1_v1 without the addition of cAMP compared to water- and
 29 *glp_3v2*-injected oocytes as negative and positive controls, respectively. (B) Immunofluorescence
 30 micrographs of paraffin sections of water- (Ctrl) and *glp1_v1*-injected oocytes in the absence of cAMP
 31 probed with paralog-specific antisera followed by Cy3-labeled anti-rabbit IgG. Arrows point to the
 32 plasma membrane. Inset: Magnified region shows the retention of Glp1_v1 (green) just below the
 33 oocyte plasma membrane.

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Table S1: C-terminal peptides used to immunize rabbits to raise salmon louse affinity-purified antibodies

| Paralog | Antigen |
|------------|---|
| Bib-Ct | (NH ₂ -) CSRHRGDFYSPSYNA (-CONH ₂) |
| PripL-Ct | (NH ₂ -) CRPSHSLAEEYGIVRT (-COOH) |
| Glp1-Ct | (NH ₂ -) CSLEDQRTPNLMNL (-COOH) |
| Glp3-Ct | (NH ₂ -) C(Ahx)IELHHPIDE (-COOH) |
| Aqp12L1-Ct | (NH ₂ -) CVFNYTTKAKEE (-COOH) |
| Aqp12L2-Ct | (NH ₂ -) CLSDFNSKSKSVN (-COOH) |

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Table S2. List of aquaporin accession numbers used in the study (see following pages)

Table S3: Oligonucleotide primers used for RT-PCR analysis. Nucleic acid sequences for primers specific for each salmon louse aquaporin mRNA, *efl* α and expected product size.

| Gene | Forward | Reverse | Expected Product size |
|---------------------|---------------------------|-------------------------|-----------------------|
| <i>bib</i> | CGCAATCCTCCTTATCCAGA | ATTTGCTCCCAAGTTCTCCA | 112 |
| <i>pripL</i> | CCATTGGCCATTGGATTAGC | AATAACAGCCGGTCCAAATG | 102 |
| <i>glp1_v1</i> | AAGCGAAAGAAGAGTAACTTAGTG | ACCCATATGATTGTCAAACAGC | 112 |
| <i>glp1_v2</i> | TCCCTCGTCATTCTAGCTTTC | GTATATGGTCCGTCAATGGATG | 106 |
| <i>glp2</i> | AACCTTATCACTCACGACTAAC | CAAGGATGGTCATTCTCGAATTG | 115 |
| <i>glp3_v1</i> | AGATTGAAGTGGGAAACATGTC | CAAGGATGGTCATTCTCGAATTG | 100 |
| <i>glp3_v2</i> | ACTTTGCTCCACGATTATTCAC | CAAGAACTCCACCCACATGA | 114 |
| <i>aqp12L1</i> | GAGAAACCAGTGAAAGGATTATTG | GGTCATCATGATGCCTTCTG | 136 |
| <i>aqp12L2</i> | ACATTCAGAAGGAGAAGGACAA | ACTTTAGGAACACTGGTCATCAT | 117 |
| <i>efl</i> α | CATCGCCTGCAAGTTTAACCAAATT | CCGGCATCACCAGACTTGA | 117 |

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Additional file: Table S2: Accession numbers of sequences analysed in the study

| Accession # | ortholog | Animal | Species | Rank | Order | Family |
|---|----------|----------------------------|---------------------------------------|---------------------|---------------|-----------------|
| Atlantic salmon paralogs | | | | | | |
| KM677197 | AQP 0a1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| KM677198 | AQP 0a2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| KM677199 | AQP 0b1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| KM677200 | AQP 0b2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01005533/ACI66426 | AQP 1aa1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01009244/ACI67627 | AQP 1aa2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01338342 | AQP 1ab1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| ACI33306/NP_001133472/AGKD01009244 | AQP 1ab2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01027288 | AQP 15-1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01030871/AGKD01079866 | AQP 15-2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01106121 | AQP 4a1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01009294 | AQP 4a2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01074371 | AQP 4b1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01045191 | AQP 4b2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01272622/AGKD01346587 | AQP 14-2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01005999/KC626878 | AQP 8aa1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01093852/AGKD01051269/DW573347 | AQP 8aa2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01005999/DW532465 | AQP 8ab1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01051269/KC626879 | AQP 8ab2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01042454 | AQP 8ba1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01119048/AGKD01190352 | AQP 8ba2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01119048/AGKD01156665/KC626880/ACN11279 | AQP 8bb1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01042454 | AQP 8bb2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01094322/AGKD01056897 | AQP 3a1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01068849/AGKD01149541 | AQP 3a2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01002624 | AQP 3b1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01215587 | AQP 3b2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01252585/AGKD01126390/AGKD01010521 | AQP 9a1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD0109773/AGKD01265939/AGKD01211321/AGKD01370165/AGKD01142451 | AQP 9a2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01025380/AGKD01043301 | AQP 9b1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01037951/AGKD01133133/AGKD01006400 | AQP 9b2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01021376/AGKD01033103/AGKD01065234 | AQP 7 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01044249 | AQP 10a1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01200314 | AQP 10a2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01090696 | AQP 10b1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01157343 | AQP 10b2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| EZ807701/EZ814810/CCAF010005608 | AQP 11a1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01029804 | AQP 11a2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01193048 | AQP 11b1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01088157 | AQP 11b2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01402623 | AQP 12-1 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| AGKD01127630 | Aqp 12-2 | Atlantic salmon | <i>Salmo salar</i> | Protacanthopterygii | Salmoniformes | Salmonidae |
| Arthropoda Bib | | | | | | |
| FBpp0079519 | Bib | Fruit fly | <i>Drosophila melanogaster</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0222049 | Bib | Fruit fly | <i>Drosophila simulans</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0199328 | Bib | Fruit fly | <i>Drosophila sechellia</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0263898 | Bib | Fruit fly | <i>Drosophila yakuba</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0128621 | Bib | Fruit fly | <i>Drosophila erecta</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0118926 | Bib | Fruit fly | <i>Drosophila ananassae</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0280277 | Bib | Fruit fly | <i>Drosophila pseudoobscura</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0183059 | Bib | Fruit fly | <i>Drosophila persimilis</i> | Hexapoda | Diptera | Drosophilidae |
| ABL85281 | Bib | Fruit fly | <i>Drosophila americana</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0232341 | Bib | Fruit fly | <i>Drosophila virilis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0166799 | Bib | Fruit fly | <i>Drosophila mojavensis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0144970 | Bib | Fruit fly | <i>Drosophila grimshawi</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0244725/FBpp0241572 | Bib | Fruit fly | <i>Drosophila willistoni</i> | Hexapoda | Diptera | Drosophilidae |
| AFP49901 | Bib | Tsetse fly | <i>Glossina morsitans morsitans</i> | Hexapoda | Diptera | Glossinidae |
| XP_004534536 | Bib | Mediterranean fruit fly | <i>Ceratitis capitata</i> | Hexapoda | Diptera | Tephritidae |
| AAEL004741/XP_001649747 | Bib | Yellow fever mosquito | <i>Aedes aegypti</i> | Hexapoda | Diptera | Culicidae |
| CPJ016447 | Bib | Southern house mosquito | <i>Culex quinquefasciatus</i> | Hexapoda | Diptera | Culicidae |
| AGAP008766/AGAP008767 | Bib | African malaria mosquito | <i>Anopheles gambiae</i> | Hexapoda | Diptera | Culicidae |
| EFR20654/ETN57779 | Bib | American malaria mosquito | <i>Anopheles darlingi</i> | Hexapoda | Diptera | Culicidae |
| GAAK01005117/GAAK01001577 | Bib | Antarctic flightless midge | <i>Belgica antarctica</i> | Hexapoda | Diptera | Chironomidae |
| KA181207 | Bib | Harlequin fly | <i>Chironomus riparius</i> | Hexapoda | Diptera | Chironomidae |
| AADK01007500/BABH01027418/BABH01043412 | Bib | Domestic silkworm | <i>Bombyx mori</i> | Hexapoda | Lepidoptera | Bombycidae |
| CAE201006773 | Bib | Postman butterfly | <i>Heliconius melpomene melpomene</i> | Hexapoda | Lepidoptera | Nymphalidae |
| EHJ64738/EHJ63154 | Bib | Monarch butterfly | <i>Danaus plexippus</i> | Hexapoda | Lepidoptera | Nymphalidae |
| AIXA01000727/AIXA01000726/AIXA01003168 | Bib | Tobacco hornworm | <i>Manduca sexta</i> | Hexapoda | Lepidoptera | Sphingidae |
| TC010832 | Bib | Red flour Beetle | <i>Tribolium castaneum</i> | Hexapoda | Coleoptera | Tenebrionidae |
| JU421678 | Bib | Salt marsh beetle | <i>Pogonus chaldeus</i> | Hexapoda | Coleoptera | Carabidae |
| JR479665 | Bib | Red palm weevil | <i>Rhynchophorus ferrugineus</i> | Hexapoda | Coleoptera | Curculionidae |
| ENN74136 | Bib | Mountain pine beetle | <i>Dendroctonus ponderosae</i> | Hexapoda | Coleoptera | Curculionidae |
| XP_003399074 | Bib | Buff-tailed bumblebee | <i>Bombus terrestris</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003487862 | Bib | Common eastern bumble bee | <i>Bombus impatiens</i> | Hexapoda | Hymenoptera | Apidae |
| XP_396705 | Bib | Honey bee | <i>Apis mellifera</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003699287 | Bib | Alfalfa leafcutting bee | <i>Megachile rotundata</i> | Hexapoda | Hymenoptera | Megachilidae |
| EFZ15059 | Bib | Red fire ant | <i>Solenopsis invicta</i> | Hexapoda | Hymenoptera | Formicidae |
| AEAB01004397 | Bib | Florida carpenter ant | <i>Camponotus floridanus</i> | Hexapoda | Hymenoptera | Formicidae |
| EFN86731/EFN86732 | Bib | Jerdon's jumping ant | <i>Harpegnathos saltator</i> | Hexapoda | Hymenoptera | Formicidae |
| EZA50845 | Bib | Clonal raider ant | <i>Cerapachys biroi</i> | Hexapoda | Hymenoptera | Formicidae |
| EGI69716/AEVX01004595 | Bib | Panamanian leafcutter ant | <i>Acromyrmex echinatior</i> | Hexapoda | Hymenoptera | Formicidae |
| ACEP_00006876 | Bib | Leafcutter ant | <i>Atta cephalotes</i> | Hexapoda | Hymenoptera | Formicidae |
| XP_001604170 | Bib | Jewel wasp | <i>Nasonia vitripennis</i> | Hexapoda | Hymenoptera | Pteromalidae |
| ADA001027634/ADA001027617 | Bib | Jewel wasp | <i>Nasonia giraulti</i> | Hexapoda | Hymenoptera | Pteromalidae |
| XP_002433221 | Bib | Human body louse | <i>Pediculus humanus corporis</i> | Hexapoda | Phthiraptera | Pediculidae |
| ACPB02031565/ACPB02009321 | Bib | Assassin bug | <i>Rhodnius prolixus</i> | Hexapoda | Hemiptera | Reduviidae |
| XP_001948407 | Bib | Pea aphid | <i>Acyrtosiphon pisum</i> | Hexapoda | Hemiptera | Aphididae |
| GACJ01023397 | Bib | Asian citrus psyllid | <i>Diaphorina citri</i> | Hexapoda | Hemiptera | Psyllidae |
| JPZV01159195/JPZV01159181/JPZV01159174 | Bib | German cockroach | <i>Blattella germanica</i> | Hexapoda | Blattodea | Ectobiidae |
| GAWS01120948 | Bib | American cockroach | <i>Periplaneta americana</i> | Hexapoda | Blattodea | Blattidae |
| GAYD01311266 | Bib | Blaberus cockroach | <i>Blaberus atropos</i> | Hexapoda | Blattodea | Blaberidae |
| GAZN01184473 | Bib | Brown hooded cockroach | <i>Cryptocercus wrighti</i> | Hexapoda | Blattodea | Cryptocercidae |
| GASE01250065 | Bib | Cuban subterranean termite | <i>Prohinotermes simplex</i> | Hexapoda | Isoptera | Rhinotermitidae |

| | | | | | | |
|---|-----|-------------------------------|--------------------------------------|--------------|-------------------|------------------|
| AUST01019796/AUST01019797 | Bib | Nevada dampwood termite | <i>Zootermopsis nevadensis</i> | Hexapoda | Isoptera | Termopsidae |
| GASW01145900 | Bib | Praying mantis | <i>Mantis religiosa</i> | Hexapoda | Mantodea | Mantidae |
| GAYAO1368224 | Bib | Zoraptid | <i>Zorotypus caudelli</i> | Hexapoda | Orthoptera | Zorotypidae |
| GAWU01257959 | Bib | Webspinner | <i>Aposthonia japonica</i> | Hexapoda | Embioptera | Oligotomidae |
| GAWG01145562 | Bib | Giant prickly stick insect | <i>Extatosoma tiaratum</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWC01014738 | Bib | Thorny stick insect | <i>Aretaon asperimus</i> | Hexapoda | Phasmatodea | Heteropterygidae |
| GAUX01120890 | Bib | Camel cricket | <i>Ceuthophilus sp.</i> | Hexapoda | Orthoptera | Rhaphidophoridae |
| GAZT01171842 | Bib | False stick insect | <i>Prosarthria teretirostris</i> | Hexapoda | Orthoptera | Proscopiidae |
| GBHB01007420 | Bib | Oceanic field cricket | <i>Teleogryllus commodus</i> | Hexapoda | Orthoptera | Gryllidae |
| GASQ01013559 | Bib | Slender Groundhopper | <i>Tetrix subulata</i> | Hexapoda | Orthoptera | Tetrigidae |
| GAUZ01380599 | Bib | Stripe-winged grasshopper | <i>Stenobothrus lineatus</i> | Hexapoda | Orthoptera | Acrididae |
| AVCP010869913 | Bib | Migratory locust | <i>Locusta migratoria</i> | Hexapoda | Orthoptera | Acrididae |
| GATU01061203 | Bib | Blue-winged olive | <i>Baetis sp.</i> | Hexapoda | Ephemeroptera | Baetidae |
| GAXA01112850 | Bib | Mahogany Dun | <i>Isonychia bicolor</i> | Hexapoda | Ephemeroptera | Isonychiidae |
| GAZG01101625 | Bib | Mayfly | <i>Eurylophella sp.</i> | Hexapoda | Ephemeroptera | Ephemerellidae |
| AYNC01046590/AYNC01046589 | Bib | Green drake | <i>Ephemera danica</i> | Hexapoda | Ephemeroptera | Ephemeridae |
| GAYO01122019 | Bib | Golden-ringed dragonfly | <i>Cordulegaster boltonii</i> | Hexapoda | Odonata | Cordulegastridae |
| APVN01095476/APVN01095473 | Bib | Scarce chaser | <i>Ladona fulva</i> | Hexapoda | Odonata | Libellulidae |
| GASNO1409838 | Bib | Firebrat | <i>Thermobia domestica</i> | Hexapoda | Zygentoma | Lepismatidae |
| GAYJ01257237 | Bib | Silverfish | <i>Atelura formicaria</i> | Hexapoda | Zygentoma | Nicoletiidae |
| GASO01228638 | Bib | Silverfish | <i>Tricholepidion gertschi</i> | Hexapoda | Zygentoma | Libellulidae |
| GAUMO1007766 | Bib | Bristletail | <i>Machilis hrabei</i> | Hexapoda | Archaeognatha | Machilidae |
| GAUG01018425 | Bib | Bristletail | <i>Meinertellus cundinamarcensis</i> | Hexapoda | Archaeognatha | Meinertelliidae |
| GAXJ01108916 | Bib | Two-pronged bristletail | <i>Occasjapyx japonicus</i> | Hexapoda | Diplura | Japygidae |
| GAXE01131619 | Bib | Conehead | <i>Acerentomon sp.</i> | Hexapoda | Protura | Acerentomidae |
| AFFK01019694/AFFK01019695/SMAR015755 | Bib | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| GAFS01004822/GAFY01027786 | Bib | Narrow-clawed crayfish | <i>Pontastacus leptodactylus</i> | Malacostraca | Decapoda | Astacidae |
| GADE01005115 | Bib | Australian red claw crayfish | <i>Cherax quadricarinatus</i> | Malacostraca | Decapoda | Parastacidae |
| FE778057 | Bib | Flat porcelain crab | <i>Petrolisthes cinctipes</i> | Malacostraca | Decapoda | Porcellanidae |
| DV467482 | Bib | Green shore Crab | <i>Carcinus maenas</i> | Malacostraca | Decapoda | Carcinidae |
| JW508536 | Bib | Tide pool copepod | <i>Tigriopus californicus</i> | Maxillopoda | Harpacticoida | Harpacticidae |
| KR005658 | Bib | Salmon louse | <i>Lepeophtheirus salmonis</i> | Maxillopoda | Siphonostomatoida | Caligidae |
| JW965321 | Bib | Argulus | <i>Argulus siamensis</i> | Maxillopoda | Arguloidea | Argulidae |
| EFX82861 | Bib | Common water flea | <i>Daphnia pulex</i> | Branchiopoda | Diplostraca | Daphniidae |
| XP_002408745/XP_002408744 | Bib | Black-legged tick | <i>Ixodes scapularis</i> | Acari | Ixodida | Ixodidae |
| GACK01002509 | Bib | Zebra tick | <i>Rhipicephalus pulchellus</i> | Acari | Ixodida | Ixodidae |
| CK185295 | Bib | Southern cattle tick | <i>Rhipicephalus microplus</i> | Acari | Ixodida | Ixodidae |
| GW003922 | Bib | Two-spotted spider mite | <i>Tetranychus urticae</i> | Acari | Acariformes | Tetranychidae |
| AZAQ01093526/AZAQ01093525/AZAQ01093524/GAZR01022102 | Bib | African social eresid spider | <i>Stegodyphus mimosarum</i> | Arachnida | Araneae | Eresidae |
| GBCS01010810 | Bib | Western black widow | <i>Latrodectus hesperus</i> | Arachnida | Araneae | Theridiidae |
| AOMJ01042817/AOMJ01089836/AOMJ01042847/AOMJ01042849 | Bib | Common house spider | <i>Parasteatoda tepidariorum</i> | Arachnida | Araneae | Theridiidae |
| AYEL01087177 | Bib | Chinese scorpion | <i>Mesobuthus martensii</i> | Arachnida | Scorpiones | Buthidae |
| AXZ01186657 | Bib | Baja California bark scorpion | <i>Centruroides exilicauda</i> | Arachnida | Scorpiones | Buthidae |

Hexapoda Drip

| | | | | | | |
|---------------------------|--------|----------------------------|---------------------------------------|----------|-------------|----------------|
| FBpp0087240 | Drip | Fruit fly | <i>Drosophila melanogaster</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0201903 | Drip | Fruit fly | <i>Drosophila sechellia</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0258530 | Drip | Fruit fly | <i>Drosophila yakuba</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0141192 | Drip | Fruit fly | <i>Drosophila erecta</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0115586 | Drip | Fruit fly | <i>Drosophila ananassae</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0276838 | Drip | Fruit fly | <i>Drosophila pseudoobscura</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0236388 | Drip | Fruit fly | <i>Drosophila virilis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0170266 | Drip | Fruit fly | <i>Drosophila mojavensis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0154409 | Drip | Fruit fly | <i>Drosophila grimshawi</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0251027 | Drip | Fruit fly | <i>Drosophila willistoni</i> | Hexapoda | Diptera | Drosophilidae |
| BAM26200 | Drip | Black blowfly | <i>Phormia regina</i> | Hexapoda | Diptera | Calliphoridae |
| AEG47703 | Drip | Oriental latrine fly | <i>Chrysomya megacephala</i> | Hexapoda | Diptera | Calliphoridae |
| Q25074 | Drip | Buffalo fly | <i>Haematobia irritans exigua</i> | Hexapoda | Diptera | Muscidae |
| ADD19102 | Drip 1 | Tsetse fly | <i>Glossina morsitans morsitans</i> | Hexapoda | Diptera | Glossinidae |
| ADD20051 | Drip 2 | Tsetse fly | <i>Glossina morsitans morsitans</i> | Hexapoda | Diptera | Glossinidae |
| FG293007/FG295048 | Drip | Primary screw-worm | <i>Cochliomyia hominivorax</i> | Hexapoda | Diptera | Calliphoridae |
| AAEL003512/XP_001656931 | Drip | Yellow fever mosquito | <i>Aedes aegypti</i> | Hexapoda | Diptera | Culicidae |
| CPIU015704/CPIU015704 | Drip | Southern house mosquito | <i>Culex quinquefasciatus</i> | Hexapoda | Diptera | Culicidae |
| JAA93938 | Drip | Psorophora mosquito | <i>Psorophora albipes</i> | Hexapoda | Diptera | Culicidae |
| AGAP008842 | Drip | African malaria mosquito | <i>Anopheles gambiae</i> | Hexapoda | Diptera | Culicidae |
| EZ976133 | Drip | African malaria mosquito | <i>Anopheles funestus</i> | Hexapoda | Diptera | Culicidae |
| GAAK01006851/GAAK01006849 | Drip | Antarctic flightless midge | <i>Belgica antarctica</i> | Hexapoda | Diptera | Chironomidae |
| ABV60346 | Drip | Sand fly | <i>Lutzomyia longipalpis</i> | Hexapoda | Diptera | Psychodidae |
| GAKJ01008613 | Drip | Orange wheat blossom midge | <i>Sitodiplosis mosellana</i> | Hexapoda | Diptera | Cecidomyiidae |
| AB178640 | Drip | Domestic silkworm | <i>Bombyx mori</i> | Hexapoda | Lepidoptera | Bombycidae |
| CAEZ01007264/CAEZ01007265 | Drip | Postman butterfly | <i>Heliconius melpomene melpomene</i> | Hexapoda | Lepidoptera | Nymphalidae |
| EHJ75085 | Drip | Monarch butterfly | <i>Danaus plexippus</i> | Hexapoda | Lepidoptera | Nymphalidae |
| FQ019249 | Drip | African cotton leafworm | <i>Spodoptera littoralis</i> | Hexapoda | Lepidoptera | Noctuidae |
| GAFU01003217 | Drip | Beet armyworm | <i>Spodoptera exigua</i> | Hexapoda | Lepidoptera | Noctuidae |
| HO053923 | Drip | Tobacco budworm | <i>Heliothis virescens</i> | Hexapoda | Lepidoptera | Noctuidae |
| EZ583816 | Drip | western bean cutworm | <i>Striacosta albicosta</i> | Hexapoda | Lepidoptera | Noctuidae |
| BAM19007 | Drip | Common mormon | <i>Papilio polytes</i> | Hexapoda | Lepidoptera | Papilionidae |
| BAM17858 | Drip | Asian Swallowtail | <i>Papilio xuthus</i> | Hexapoda | Lepidoptera | Papilionidae |
| AFC34081 | Drip | striped riceborer | <i>Chilo suppressalis</i> | Hexapoda | Lepidoptera | Crambidae |
| JP612973 | Drip | Propretius duskywing | <i>Erynnis propertius</i> | Hexapoda | Lepidoptera | Hesperiidae |
| JO817751/GR920919 | Drip | Tobacco hornworm | <i>Manduca sexta</i> | Hexapoda | Lepidoptera | Sphingidae |
| BAH47554 | Drip | Oriental fruit moth | <i>Grapholita molesta</i> | Hexapoda | Lepidoptera | Tortricidae |
| TC011257 | Drip | Red flour Beetle | <i>Tribolium castaneum</i> | Hexapoda | Coleoptera | Tenebrionidae |
| BAM83568 | Drip | Beetle | <i>Anomala cuprea</i> | Hexapoda | Coleoptera | Scarabaeidae |
| JR487579 | Drip | Red palm weevil | <i>Rhynchophorus ferrugineus</i> | Hexapoda | Coleoptera | Curculionidae |
| AE663193 | Drip | Mountain pine weevil | <i>Dendroctonus ponderosae</i> | Hexapoda | Coleoptera | Curculionidae |
| JU414336 | Drip | Salt marsh beetle | <i>Pogonius chalcus</i> | Hexapoda | Coleoptera | Carabidae |
| GAPE01027420 | Drip | Pollen beetle | <i>Brassicogethes aeneus</i> | Hexapoda | Coleoptera | Nitidulidae |
| GAAB01000751 | Drip | Emerald ash borer | <i>Agrilus planipennis</i> | Hexapoda | Coleoptera | Buprestidae |
| GAXW01087449 | Drip | Antlion | <i>Euroleon nostras</i> | Hexapoda | Neoptera | Myrmeleontidae |
| GAVV01176955 | Drip | Green lacewing | <i>Pseudomallada prasinus</i> | Hexapoda | Neoptera | Chrysopidae |
| XP_003394164 | Drip | Buff-tailed bumblebee | <i>Bombus terrestris</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003487533 | Drip | Common eastern bumble bee | <i>Bombus impatiens</i> | Hexapoda | Hymenoptera | Apidae |
| XP_624531 | Drip | Honey bee | <i>Apis mellifera</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003701708 | Drip | Alfalfa leafcutting bee | <i>Megachile rotundata</i> | Hexapoda | Hymenoptera | Megachilidae |
| AEAQ01012360/EFZ22501 | Drip | Red fire ant | <i>Solenopsis invicta</i> | Hexapoda | Hymenoptera | Formicidae |
| AEAB01004718/EFN72836 | Drip | Florida carpenter ant | <i>Camponotus floridanus</i> | Hexapoda | Hymenoptera | Formicidae |
| JP783671/JP783671 | Drip | Caribbean crazy ant | <i>Nylanderia pubens</i> | Hexapoda | Hymenoptera | Formicidae |
| ADOQ01012968 | Drip | Argentine ant | <i>Linepithema humile</i> | Hexapoda | Hymenoptera | Formicidae |

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|---|------------|---------------------------------|--------------------------------------|----------|------------------|---------------------|
| XP_001607940 | Drip | Jewel wasp | <i>Nasonia vitripennis</i> | Hexapoda | Hymenoptera | Pteromalidae |
| GAKG01000818 | Drip | Diamondback moth parasitoid | <i>Cotesia vestalis</i> | Hexapoda | Hymenoptera | Braconidae |
| EEB12655 | Drip | Human body louse | <i>Pediculus humanus corporis</i> | Hexapoda | Phthiraptera | Pediculidae |
| GAWR01000696 | Drip | Poultry shaft louse | <i>Menopon gallinae</i> | Hexapoda | Phthiraptera | Menoponidae |
| GAYV01109739 | Drip | Booklice | <i>Liposcelis bostrychophila</i> | Hexapoda | Psocoptera | Liposcelidae |
| GAPTO1006904 | Drip | Booklice | <i>Ectopsocus briggsi</i> | Hexapoda | Psocoptera | Ectopsocidae |
| GAXD01024860 | Drip | Western flower thrips | <i>Frankliniella occidentalis</i> | Hexapoda | Thysanoptera | Thripidae |
| JAA75980 | Drip | Assassin bug | <i>Rhodnius prolixus</i> | Hexapoda | Hemiptera | Reduviidae |
| KF048092 | Drip | Lygus bug | <i>Lygus hesperus</i> | Hexapoda | Hemiptera | Miridae |
| GAJX01005354 | Drip | Pod sucking bug | <i>Clavigralla tomentosicollis</i> | Hexapoda | Hemiptera | Coreidae |
| GAJW01004051 | Drip | Cowpea aphid | <i>Aphis craccivora</i> | Hexapoda | Hemiptera | Aphididae |
| ACLO1373 | Drip | Pea aphid | <i>Acyrtosiphon pisum</i> | Hexapoda | Hemiptera | Aphididae |
| GAAF01000345 | Drip | Potato aphid | <i>Macrosiphum euphorbiae</i> | Hexapoda | Hemiptera | Aphididae |
| EE571220 | Drip | Green peach aphid | <i>Myzus persicae</i> | Hexapoda | Hemiptera | Aphididae |
| F0035865 | Drip | Shallot aphid | <i>Myzus ascalonicus</i> | Hexapoda | Hemiptera | Aphididae |
| ABW96354 | Drip | Sweet potato whitefly | <i>Bemisia tabaci</i> | Hexapoda | Hemiptera | Aleyrodidae |
| Q23808 | Drip | Green leafhopper | <i>Cicadella viridis</i> | Hexapoda | Hemiptera | Cicadellidae |
| GAGF01044362 | Drip | Green lacewing | <i>Chrysopa pallens</i> | Hexapoda | Neoptera | Chrysopidae |
| JPZV01194828 | Drip | German cockroach | <i>Blattella germanica</i> | Hexapoda | Blattodea | Ectobiidae |
| GAWS01023831 | Drip | American cockroach | <i>Periplaneta americana</i> | Hexapoda | Blattodea | Blattidae |
| GAYD01018072 | Drip | Blaberus cockroach | <i>Blaberus atropos</i> | Hexapoda | Blattodea | Blaberidae |
| GAZN01021910 | Drip | Brown hooded cockroach | <i>Cryptocercus wrighti</i> | Hexapoda | Blattodea | Cryptocercidae |
| AUST01002328/AUST01002331/AUST01002332 | Drip | Nevada dampwood termite | <i>Zootermopsis nevadensis</i> | Hexapoda | Isoptera | Termopsidae |
| BAG72254 | Drip | Formosan subterranean termite | <i>Coptotermes formosanus</i> | Hexapoda | Isoptera | Rhinotermitidae |
| GASE01015407 | Drip 1 | Cuban subterranean termite | <i>Rhinoitermes simplex</i> | Hexapoda | Isoptera | Rhinotermitidae |
| GASE01015406 | Drip 2 | Cuban subterranean termite | <i>Prorethitermes simplex</i> | Hexapoda | Isoptera | Rhinotermitidae |
| FL637621/G0899611 | Drip | Eastern subterranean termite | <i>Reticulitermes flavipes</i> | Hexapoda | Isoptera | Rhinotermitidae |
| GATB01242877 | Drip | Metallicid mantis | <i>Metallicidius splendidus</i> | Hexapoda | Mantodea | Metallicidae |
| GASW01221493 | Drip | Praying mantis | <i>Mantis religiosa</i> | Hexapoda | Mantodea | Mantidae |
| GAYA01397859 | Drip | Zoraptid | <i>Zorotypus caudelli</i> | Hexapoda | Orthoptera | Zorotypidae |
| GAYQ01184451 | Drip | European earwig | <i>Forficula auricularia</i> | Hexapoda | Dermaptera | Forficulidae |
| GAUF01006901 | Drip | Leuctra | <i>Leuctra sp.</i> | Hexapoda | Plecoptera | Leuctridae |
| GATV01089684 | Drip | Stonefly | <i>Perla marginata</i> | Hexapoda | Plecoptera | Perlidae |
| GAWU01021632 | Drip | Webspinner | <i>Aposthonia japonica</i> | Hexapoda | Embioptera | Oligotomidae |
| GAWG01027137 | Drip | Giant prickly stick insect | <i>Extatosoma tiaratum</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWE01111259 | Drip | Vietnamese walking stick insect | <i>Ramulus artemis</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWD01031379 | Drip | Vietnamese walking stick | <i>Medauroidea extradentata</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWC01082932 | Drip | Thorny stick insect | <i>Aretaon asperimus</i> | Hexapoda | Phasmatodea | Heteropterygidae |
| GAXB01016476 | Drip | Heelwalker | <i>Tanzaniophasma sp.</i> | Hexapoda | Mantophasmatodea | Tanzaniophasmatidae |
| GAUX01016809 | Drip | Camel cricket | <i>Ceuthophilus sp.</i> | Hexapoda | Orthoptera | Rhaphidophoridae |
| GAZT01011867 | Drip | False stick insect | <i>Prosarthria teretirostris</i> | Hexapoda | Orthoptera | Proscopiidae |
| GAIZ01003265/GAIZ01000499 | Drip | Sand field cricket | <i>Gryllus firmus</i> | Hexapoda | Orthoptera | Gryllidae |
| GBHB01065040 | Drip | Oceanic field cricket | <i>Teleogryllus commodus</i> | Hexapoda | Orthoptera | Gryllidae |
| GASQ01128475 | Drip | Slender Groundhopper | <i>Tetrix subulata</i> | Hexapoda | Orthoptera | Tetrigidae |
| JG680985 | Drip | Desert locust | <i>Schistocerca gregaria</i> | Hexapoda | Orthoptera | Acrididae |
| CO850494/AVCP010961306 | Drip | Migratory locust | <i>Locusta migratoria</i> | Hexapoda | Orthoptera | Acrididae |
| GAUZ01033299 | Drip | Stripe-winged grasshopper | <i>Stenobothrus lineatus</i> | Hexapoda | Orthoptera | Acrididae |
| GAXA01100045 | Drip | Mahogany Dun | <i>Isonychia bicolor</i> | Hexapoda | Ephemeroptera | Isonychiidae |
| GAZG01016414 | Drip | Mayfly | <i>Eurylophella sp.</i> | Hexapoda | Ephemeroptera | Ephemerellidae |
| AYNC01036599/AYNC01036594/AYNC01036593/AYNC01036592 | Drip | Green drake | <i>Ephemera danica</i> | Hexapoda | Ephemeroptera | Ephemeridae |
| GAYO01010968 | Drip | Golden-ringed dragonfly | <i>Cordulegaster boltonii</i> | Hexapoda | Odonata | Cordulegastridae |
| GAEQ01000128 | Drip 1 | Hagen's bluet | <i>Enallagma hageni</i> | Hexapoda | Odonata | Coenagrionidae |
| GAEQ01002752 | Drip 2 | Hagen's bluet | <i>Enallagma hageni</i> | Hexapoda | Odonata | Coenagrionidae |
| APVN01111337/APVN01111338/APVN01111340 | Drip | Scarce chaser | <i>Ladona fulva</i> | Hexapoda | Odonata | Libellulidae |
| GASN01407843 | Drip | Firebrat | <i>Thermobia domestica</i> | Hexapoda | Zygentoma | Lepismatidae |
| GAYJ01029112 | Drip | Silverfish | <i>Atelura formicaria</i> | Hexapoda | Zygentoma | Nicoletiidae |
| GASO01258000 | Drip | Silverfish | <i>Tricholepidium gertschi</i> | Hexapoda | Zygentoma | Libellulidae |
| GAUM01185038 | Drip | Bristletail | <i>Machilis hrabei</i> | Hexapoda | Archaeognatha | Machilidae |
| G AUG01019014 | Drip | Bristletail | <i>Meinertellus cundinamarcensis</i> | Hexapoda | Archaeognatha | Meinertellidae |
| GAYN01143457 | Drip | Campodea | <i>Campodea augens</i> | Hexapoda | Diplura | Campodeidae |
| GAMM01004264/GAMM01007190 | Drip | Springtail | <i>Orchesella cincta</i> | Hexapoda | Collembola | Entomobryidae |
| EV475341/GASX01090561/GAMN01000162 | Drip | Springtail | <i>Folsomia candida</i> | Hexapoda | Collembola | Isotomidae |
| sb_006_05H07 | Drip -like | Springtail | <i>Megaphora arctica</i> | Hexapoda | Collembola | Oncyhuriidae |
| GATZ01010361 | Drip -like | Clover springtail | <i>Sminthurus viridis</i> | Hexapoda | Collembola | Sminthuridae |
| GAEU01009798 | Drip -like | Cosmopolitan springtail | <i>Anurida maritima</i> | Hexapoda | Collembola | Neanuridae |
| GAXI01003650 | Drip -like | Giant springtail | <i>Tetradontophora bielanensis</i> | Hexapoda | Collembola | Oncyhuriidae |
| GATD01013001 | Drip -like | Springtail | <i>Pogonognathellus sp.</i> | Hexapoda | Collembola | Tomoceridae |

Arthropoda Prip

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|---|--------|----------------------------|---------------------------------------|----------|-------------|---------------|
| FBpp0087236 | Prip | Fruit fly | <i>Drosophila melanogaster</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0202768 | Prip | Fruit fly | <i>Drosophila sechellia</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0209200 | Prip | Fruit fly | <i>Drosophila simulans</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0257373 | Prip | Fruit fly | <i>Drosophila yakuba</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0138749 | Prip | Fruit fly | <i>Drosophila erecta</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0115747 | Prip | Fruit fly | <i>Drosophila ananassae</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0277602 | Prip | Fruit fly | <i>Drosophila pseudoobscura</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0234775 | Prip | Fruit fly | <i>Drosophila virilis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0167781 | Prip | Fruit fly | <i>Drosophila mojavensis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0155293 | Prip | Fruit fly | <i>Drosophila grimshawi</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0250560 | Prip | Fruit fly | <i>Drosophila willistoni</i> | Hexapoda | Diptera | Drosophilidae |
| ACT34032 | Prip | Goldenrod gall fly | <i>Eurosta solidaginis</i> | Hexapoda | Diptera | Tephritidae |
| ADD19396 | Prip 1 | Tsetse fly | <i>Glossina morsitans morsitans</i> | Hexapoda | Diptera | Glossinidae |
| AFP49895 | Prip 2 | Tsetse fly | <i>Glossina morsitans morsitans</i> | Hexapoda | Diptera | Glossinidae |
| AAEL003550/XP_001656932 | Prip | Yellow fever mosquito | <i>Aedes aegypti</i> | Hexapoda | Diptera | Culicidae |
| CPU015700 | Prip | Southern house mosquito | <i>Culex quinquefasciatus</i> | Hexapoda | Diptera | Culicidae |
| AGAP008843 | Prip | African malaria mosquito | <i>Anopheles gambiae</i> | Hexapoda | Diptera | Culicidae |
| BAF62090 | Prip | Sleeping chironomid | <i>Polypedilum vanderplanki</i> | Hexapoda | Diptera | Chironomidae |
| BAK32937/BAK32936/BAK32935/GAAK01006838 | Prip 1 | Antarctic flightless midge | <i>Belgica antarctica</i> | Hexapoda | Diptera | Chironomidae |
| GAAK01006838 | Prip 2 | Antarctic flightless midge | <i>Belgica antarctica</i> | Hexapoda | Diptera | Chironomidae |
| NP_001153661 | Prip | Domestic silkworm | <i>Bombyx mori</i> | Hexapoda | Lepidoptera | Bombycidae |
| CAEZ01007983 | Prip | Postman butterfly | <i>Heliconius melpomene melpomene</i> | Hexapoda | Lepidoptera | Nymphalidae |
| EL599805/EL596094 | Prip | Red postman | <i>Heliconius erato</i> | Hexapoda | Lepidoptera | Nymphalidae |
| EHJ66754 | Prip | Monarch butterfly | <i>Danaus plexippus</i> | Hexapoda | Lepidoptera | Nymphalidae |
| EZ981212 | Prip | African cotton leafworm | <i>Spodoptera littoralis</i> | Hexapoda | Lepidoptera | Noctuidae |
| GAFU01006086 | Prip | Beet armyworm | <i>Spodoptera exigua</i> | Hexapoda | Lepidoptera | Noctuidae |
| JP717913 | Prip | Asian Swallowtail | <i>Papilio xuthus</i> | Hexapoda | Lepidoptera | Papilionidae |
| GAJS01000346 | Prip | striped riceborer | <i>Chilo suppressalis</i> | Hexapoda | Lepidoptera | Crambidae |
| JP612966 | Prip | Propertius duskywing | <i>Erynnis propertius</i> | Hexapoda | Lepidoptera | Hesperiidae |
| J0818733 | Prip | Tobacco hornworm | <i>Manduca sexta</i> | Hexapoda | Lepidoptera | Sphingidae |

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|--|-------------|---------------------------------|-------------------------------------|----------|------------------|---------------------|
| TC001374 | Prip | Red flour Beetle | <i>Tribolium castaneum</i> | Hexapoda | Coleoptera | Tenebrionidae |
| AE661850 | Prip | Mountain pine weevil | <i>Dendroctonus ponderosae</i> | Hexapoda | Coleoptera | Curculionidae |
| JU408944 | Prip | Salt marsh beetle | <i>Pogonus chalcus</i> | Hexapoda | Coleoptera | Carabidae |
| AAL09065 | Prip | Firefly | <i>Pyrocoelia rufa</i> | Hexapoda | Coleoptera | Lampyridae |
| GAXW01003825 | Prip | Antlion | <i>Euroleon nostras</i> | Hexapoda | Neoptera | Myrmeleontidae |
| GAVV01005429 | Prip | Green lacewing | <i>Pseudomallada prasinus</i> | Hexapoda | Neoptera | Chrysopidae |
| XP_003394168/XP_003394169 | Prip | Buff-tailed bumblebee | <i>Bombus terrestris</i> | Hexapoda | Hymenoptera | Apidae |
| XP_0033487537/XP_0033487538 | Prip | Common eastern bumble bee | <i>Bombus impatiens</i> | Hexapoda | Hymenoptera | Apidae |
| XP_394391 | Prip | Honey bee | <i>Apis mellifera</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003701667 | Prip | Alfalfa leafcutting bee | <i>Megachile rotundata</i> | Hexapoda | Hymenoptera | Megachilidae |
| GAFR01021571 | Prip | Neotropical paper wasp | <i>Polistes canadensis</i> | Hexapoda | Hymenoptera | Vespidae |
| EFN88447 | Prip | Jerdon's jumping ant | <i>Harpegnathos saltator</i> | Hexapoda | Hymenoptera | Formicidae |
| EFN72835 | Prip | Florida carpenter ant | <i>Camponotus floridanus</i> | Hexapoda | Hymenoptera | Formicidae |
| ACEP_00007751 | Prip | Leafcutter ant | <i>Atta cephalotes</i> | Hexapoda | Hymenoptera | Formicidae |
| XP_001607929 | Prip | Jewel wasp | <i>Nasonia vitripennis</i> | Hexapoda | Hymenoptera | Pteromalidae |
| ADA001292418/ADA001292417/ADA001292415 | Prip | Jewel wasp | <i>Nasonia giraulti</i> | Hexapoda | Hymenoptera | Pteromalidae |
| EEB16742 | Prip | Human body louse | <i>Pediculus humanus corporis</i> | Hexapoda | Phthiraptera | Pediculidae |
| GAWR01000697 | Egpl | Poultry shaft louse | <i>Menopon gallinae</i> | Hexapoda | Phthiraptera | Menoponidae |
| GAYV01110104 | Egpl | Booklice | <i>Liposcelis bostrychophila</i> | Hexapoda | Psocoptera | Liposcelidae |
| GAP01004386 | Egpl | Booklice | <i>Ectopsocus briggisi</i> | Hexapoda | Psocoptera | Ectopsocidae |
| GAXD01020785 | Prip | Western flower thrips | <i>Frankliniella occidentalis</i> | Hexapoda | Thysanoptera | Thripidae |
| GAHY01001529 | Prip | Assassin bug | <i>Rhodnius prolixus</i> | Hexapoda | Hemiptera | Reduviidae |
| KF048099 | Prip | Lygus bug | <i>Lygus hesperus</i> | Hexapoda | Hemiptera | Miridae |
| KF048100 | Prip | Lygus bug | <i>Lygus hesperus</i> | Hexapoda | Hemiptera | Miridae |
| HP661479 | Prip | Sweet potato whitefly | <i>Bemisia tabaci</i> | Hexapoda | Hemiptera | Aleyrodidae |
| AHB86600 | Prip | potato/tomato psyllid | <i>Bactericera cockerelli</i> | Hexapoda | Hemiptera | Triozidae |
| DN195967 | Prip | Glassy-winged sharpshooter | <i>Homalodisca vitripennis</i> | Hexapoda | Hemiptera | Cicadellidae |
| GAGF01006829 | Prip | Green lacewing | <i>Chrysopa pallens</i> | Hexapoda | Neoptera | Chrysopidae |
| CBY77924/GBID01001247 | Prip | German cockroach | <i>Blattella germanica</i> | Hexapoda | Blattodea | Ectobiidae |
| GAWS01258646 | Prip | American cockroach | <i>Periplaneta americana</i> | Hexapoda | Blattodea | Blattidae |
| GAYD01029081 | Prip | Blaberus cockroach | <i>Blaberus atropos</i> | Hexapoda | Blattodea | Blaberidae |
| GAZN01019011 | Prip | Brown hooded cockroach | <i>Cryptocercus wrighti</i> | Hexapoda | Blattodea | Cryptocercidae |
| AUST01002325/AUST01002324 | Prip | Nevada dampwood termite | <i>Zootermopsis nevadensis</i> | Hexapoda | Isoptera | Termitidae |
| JK445261/JK445262 | Prip | Formosan subterranean termite | <i>Coptotermes formosanus</i> | Hexapoda | Isoptera | Rhinotermitidae |
| GASE01253679 | Prip | Cuban subterranean termite | <i>Prohinotermes simplex</i> | Hexapoda | Isoptera | Rhinotermitidae |
| FL638365/G0907955 | Prip | Eastern subterranean termite | <i>Reticulitermes flavipes</i> | Hexapoda | Isoptera | Rhinotermitidae |
| GATB01001403 | Prip | Metallyticid mantis | <i>Metallyticus splendidus</i> | Hexapoda | Mantodea | Metallyticidae |
| GASW01019624 | Prip | Praying mantis | <i>Mantis religiosa</i> | Hexapoda | Mantodea | Mantidae |
| GAYQ01017598 | Prip | European earwig | <i>Forficula auricularia</i> | Hexapoda | Dermaptera | Forficulidae |
| GAYL01013696 | Prip | Stonefly | <i>Cosmioperla kuna</i> | Hexapoda | Plecoptera | Eustheniidae |
| GAUF01007405 | Prip | Leuctra | <i>Leuctra sp.</i> | Hexapoda | Plecoptera | Leuctridae |
| GAYL01013696 | Prip | Stonefly | <i>Perla marginata</i> | Hexapoda | Plecoptera | Perlidae |
| GAWU01256075 | Prip | Webspinner | <i>Aposthonia japonica</i> | Hexapoda | Embioptera | Oligotomidae |
| GAWG01042575 | Prip | Giant prickly stick insect | <i>Extatosoma tiaratum</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWE01078541 | Prip | Vietnamese walking stick insect | <i>Ramulus artemis</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWD01074919 | Prip | Vietnamese walking stick | <i>Medauroidea extradentata</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWF01050038/GAWF01050037 | Prip | Pink winged stick insect | <i>Sipyloidea sipyilus</i> | Hexapoda | Phasmatodea | Diapheromeridae |
| GAWC01082955 | Prip | Thorny stick insect | <i>Areton asperimus</i> | Hexapoda | Phasmatodea | Heteropterygidae |
| GAXB01016385 | Prip | Heelwalker | <i>Tanzaniophasma sp.</i> | Hexapoda | Mantophasmatodea | Tanzaniophasmatidae |
| GAXU01030554 | Prip | Camel cricket | <i>Ceuthophilus sp.</i> | Hexapoda | Orthoptera | Rhaphidophoridae |
| GAZT01006221 | Prip | False stick insect | <i>Prosarthria teretirostris</i> | Hexapoda | Orthoptera | Proscopiidae |
| GAIZ01018549 | Prip | Sand field cricket | <i>Gryllus firmus</i> | Hexapoda | Orthoptera | Gryllidae |
| DC443641 | Prip | Two-spotted cricket | <i>Gryllus bimaculatus</i> | Hexapoda | Orthoptera | Gryllidae |
| EH632028/EH639574 | Prip | Hawaiian swordtail cricket | <i>Laupala kohalensis</i> | Hexapoda | Orthoptera | Gryllidae |
| GBHB01027253 | Prip | Oceanic field cricket | <i>Teleogryllus commodus</i> | Hexapoda | Orthoptera | Gryllidae |
| GASQ01011894 | Prip | Slender Groundhopper | <i>Tetrix subulata</i> | Hexapoda | Orthoptera | Tetrigidae |
| CO821055/CO821056 | Prip | Migratory locust | <i>Locusta migratoria</i> | Hexapoda | Orthoptera | Acrididae |
| GAUZ01034179 | Prip | Stripe-winged grasshopper | <i>Stenobothrus lineatus</i> | Hexapoda | Orthoptera | Acrididae |
| GATU01010497 | Prip | Blue-winged olive | <i>Baetis sp.</i> | Hexapoda | Ephemeroptera | Baetidae |
| GAXA01011140 | Prip | Mahogany Dun | <i>Isonychia bicolor</i> | Hexapoda | Ephemeroptera | Isonychiidae |
| GAZG01016497 | Prip | Mayfly | <i>Eurylophella sp.</i> | Hexapoda | Ephemeroptera | Ephemerellidae |
| AYNC01078222 | Prip | Green drake | <i>Ephemera danica</i> | Hexapoda | Ephemeroptera | Ephemeridae |
| GAYM01100186 | Prip | Banded damoiselle | <i>Calopteryx splendens</i> | Hexapoda | Odonata | Calopterygidae |
| GAVW01127800 | Prip | Dragonfly | <i>Epiophlebia superstes</i> | Hexapoda | Odonata | Epiophlebiidae |
| GAYO01130920 | Prip 1 | Golden-ringed dragonfly | <i>Cordulegaster boltonii</i> | Hexapoda | Odonata | Cordulegastridae |
| GAYO01011149 | Prip 2 | Golden-ringed dragonfly | <i>Cordulegaster boltonii</i> | Hexapoda | Odonata | Cordulegastridae |
| APVN01148320 | Prip 1 | Scarce chaser | <i>Ladona fulva</i> | Hexapoda | Odonata | Libellulidae |
| APVN01148314/APVN01148315 | Prip 2 | Scarce chaser | <i>Ladona fulva</i> | Hexapoda | Odonata | Libellulidae |
| APVN01148320/APVN01148322 | Prip 3 | Scarce chaser | <i>Ladona fulva</i> | Hexapoda | Odonata | Libellulidae |
| APVN01148322 | Prip 4 | Scarce chaser | <i>Ladona fulva</i> | Hexapoda | Odonata | Libellulidae |
| GASN01409111 | Prip | Firebrat | <i>Thermobia domestica</i> | Hexapoda | Zygentoma | Lepismatidae |
| GAYJ01029739 | Prip | Silverfish | <i>Atelura formicaria</i> | Hexapoda | Zygentoma | Nicoletidae |
| GASO01021146 | Prip | Silverfish | <i>Tricholepidion gertschi</i> | Hexapoda | Zygentoma | Libellulidae |
| FN222978 | Prip | Bristletail | <i>Lepismachilis y-signata</i> | Hexapoda | Archaeognatha | Machilidae |
| GAUM01020136 | Prip | Bristletail | <i>Machilis hrabei</i> | Hexapoda | Archaeognatha | Machilidae |
| GAUG01033311 | Prip | Bristletail | <i>Meinertella cundinamarcensis</i> | Hexapoda | Archaeognatha | Meinertellidae |
| GAYN01007080 | Prip 1 | Campodea | <i>Campodea augens</i> | Hexapoda | Diplura | Campodeidae |
| GAYN01144154 | Prip 2 | Campodea | <i>Campodea augens</i> | Hexapoda | Diplura | Campodeidae |
| GAXJ01007613 | Prip 1 | Two-pronged bristletail | <i>Occasjapyx japonicus</i> | Hexapoda | Diplura | Japygidae |
| GAXJ01010312 | Prip 2 | Two-pronged bristletail | <i>Occasjapyx japonicus</i> | Hexapoda | Diplura | Japygidae |
| GAXJ01010770 | Prip 3 | Two-pronged bristletail | <i>Occasjapyx japonicus</i> | Hexapoda | Diplura | Japygidae |
| GAXJ01101258 | Prip 4 | Two-pronged bristletail | <i>Occasjapyx japonicus</i> | Hexapoda | Diplura | Japygidae |
| GAMM01012413/GAMM01012414 | Prip -like1 | Springtail | <i>Orchesella cincta</i> | Hexapoda | Collembola | Entomobryidae |
| GAMM01010822 | Prip -like2 | Springtail | <i>Orchesella cincta</i> | Hexapoda | Collembola | Entomobryidae |
| GAMM01009287 | Prip -like3 | Springtail | <i>Orchesella cincta</i> | Hexapoda | Collembola | Entomobryidae |
| GAMM01008708 | Prip -like1 | Springtail | <i>Folsomia candida</i> | Hexapoda | Collembola | Isotomidae |
| GAMN01012115/GAMN01012753 | Prip -like2 | Springtail | <i>Folsomia candida</i> | Hexapoda | Collembola | Isotomidae |
| sb_005_09119 | Prip -like1 | Springtail | <i>Megaphorura arctica</i> | Hexapoda | Collembola | Onychiuridae |
| EW748629 | Prip -like2 | Springtail | <i>Megaphorura arctica</i> | Hexapoda | Collembola | Onychiuridae |
| GATZ01003502 | Prip -like1 | Clover springtail | <i>Sminthurus viridis</i> | Hexapoda | Collembola | Sminthuridae |
| GATZ01016023 | Prip -like2 | Clover springtail | <i>Sminthurus viridis</i> | Hexapoda | Collembola | Sminthuridae |
| GATZ01103627 | Prip -like3 | Clover springtail | <i>Sminthurus viridis</i> | Hexapoda | Collembola | Sminthuridae |
| GAUE01008782 | Prip -like1 | Cosmopolitan springtail | <i>Anurida maritima</i> | Hexapoda | Collembola | Neanuridae |
| GAUE01009121 | Prip -like2 | Cosmopolitan springtail | <i>Anurida maritima</i> | Hexapoda | Collembola | Neanuridae |
| GAUE01052561 | Prip -like3 | Cosmopolitan springtail | <i>Anurida maritima</i> | Hexapoda | Collembola | Neanuridae |
| GAXI01003818 | Prip -like1 | Giant springtail | <i>Tetradontophora bielanensis</i> | Hexapoda | Collembola | Onychiuridae |
| GAXI01003820 | Prip -like2 | Giant springtail | <i>Tetradontophora bielanensis</i> | Hexapoda | Collembola | Onychiuridae |
| GAXI01020146 | Prip -like3 | Giant springtail | <i>Tetradontophora bielanensis</i> | Hexapoda | Collembola | Onychiuridae |
| GATD01009723 | Prip -like1 | Springtail | <i>Pogonognathellus sp.</i> | Hexapoda | Collembola | Tomoceridae |

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|----------------------------|-------------------|-------------------------------------|-------------------------------------|--------------|-------------------|----------------|
| GATD01010900 | Prip -like2 | Springtail | <i>Pogonognathellus sp.</i> | Hexapoda | Collembola | Tomoceridae |
| EV474850/EV478034 | Prip -like V-par | Springtail | <i>Folsomia candida</i> | Hexapoda | Collembola | Isotomidae |
| GATZ01102432 | Prip -like I-par: | Clover springtail | <i>Sminthurus viridis</i> | Hexapoda | Collembola | Sminthuridae |
| GAUE01011057 | Prip -like I-par: | Cosmopolitan springtail | <i>Anurida maritima</i> | Hexapoda | Collembola | Neanuridae |
| GAXI01015403 | Prip -like V-par | Giant springtail | <i>Tetradontophora bielanensis</i> | Hexapoda | Collembola | Onychiuridae |
| GAXI01018099 | Prip -like I-par: | Giant springtail | <i>Tetradontophora bielanensis</i> | Hexapoda | Collembola | Onychiuridae |
| GATD01099700 | Prip -like I-par: | Springtail | <i>Pogonognathellus sp.</i> | Hexapoda | Collembola | Tomoceridae |
| GAXE01021065 | Prip -like1 | Conehead | <i>Acerentomon sp.</i> | Hexapoda | Protura | Acerentomidae |
| GAXE01011432 | Prip -like2 | Conehead | <i>Acerentomon sp.</i> | Hexapoda | Protura | Acerentomidae |
| AFFK01018906 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01016279 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01018906 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01022706 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01021957 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01015980 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01023535/AFFK01023534 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01013572 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01013572 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01013573 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01013573 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| AFFK01013573 | Prip -like | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| GAFS01003350 | Prip -like | Narrow-clawed crayfish | <i>Pontastacus leptodactylus</i> | Malacostraca | Decapoda | Astacidae |
| AET34919 | Prip -like | Giant freshwater prawn | <i>Macrobrachium rosenbergii</i> | Malacostraca | Decapoda | Palaemonidae |
| AEI25531 | Prip -like | Black tiger shrimp | <i>Penaeus monodon</i> | Malacostraca | Decapoda | Penaëidae |
| FE136953/JP420962/FE081160 | Prip -like | Pacific white shrimp | <i>Litopenaeus vannamei</i> | Malacostraca | Decapoda | Penaëidae |
| FD699313 | Prip -like | American lobster | <i>Homarus americanus</i> | Malacostraca | Decapoda | Nephropidae |
| JQ970426 | Prip -like | Blue crab | <i>Callinectes sapidus</i> | Malacostraca | Decapoda | Portunidae |
| GT562677 | Prip -like | Swimming crab | <i>Portunus triburcularatus</i> | Malacostraca | Decapoda | Portunidae |
| GAKD01017822 | Prip -like | Amphipod | <i>Melita plumulosa</i> | Malacostraca | Amphipoda | Melitidae |
| JL195955 | Prip -like | Remipede | <i>Speleonectes cf. tulumensis</i> | Remipedia | Nectipoda | Speleonectidae |
| ACO10737 | Prip -like | Caligid copepod | <i>Caligus rogercresseyi</i> | Maxillopoda | Siphonostomatoida | Caligidae |
| GO416492 | Prip -like | Cod worm | <i>Lernaeocera branchialis</i> | Maxillopoda | Siphonostomatoida | Pennellidae |
| JV192099 | Prip -like | Tide pool copepod | <i>Tigriopus californicus</i> | Maxillopoda | Harpacticoida | Harpacticidae |
| EFX74648 | Prip -like | Common water flea | <i>Daphnia pulex</i> | Branchiopoda | Diplostraca | Daphniidae |
| GACK01000433 | Prip -like | Zebra tick | <i>Rhipicephalus pulchellus</i> | Acari | Ixodida | Rhixodidae |
| ADDG01009295/ADDG01028715 | Prip -like | Honeybee mite | <i>Varroa destructor</i> | Acari | Mesostigmata | Varroidae |
| XP_003740496 | Prip -like | Western predatory mite | <i>Metaseiulus occidentalis</i> | Acari | Mesostigmata | Phytoseiidae |
| JR695181 | Prip -like | Two-spotted spider mite | <i>Tetranychus urticae</i> | Acari | Acariformes | Tetranychidae |
| JT045087 | Prip -like1 | African social eresid spider | <i>Stegodyphus tentoriicola</i> | Arachnida | Araneae | Eresidae |
| GAZR01012136/JT037476 | Prip -like1 | African social eresid spider | <i>Stegodyphus mimosarum</i> | Arachnida | Araneae | Eresidae |
| AOMJ01121993 | Prip -like1 | Common house spider | <i>Parasteatoda tepidariorum</i> | Arachnida | Araneae | Theridiidae |
| GAZS01059885 | Prip -like1 | Brazilian giant whiteknee tarantula | <i>Acanthoscurria geniculata</i> | Arachnida | Araneae | Theraphosidae |
| JA92966 | Prip -like2 | American wandering spider | <i>Cupiennius salei</i> | Arachnida | Araneae | Theridiidae |
| GANL01009509 | Prip -like2 | Black widow | <i>Latrodectus tredecimguttatus</i> | Arachnida | Araneae | Theridiidae |
| GBCS01013355 | Prip -like2 | Western black widow | <i>Latrodectus hesperus</i> | Arachnida | Araneae | Theridiidae |
| AOMJ01225662/AOMJ01225654 | Prip -like2 | Common house spider | <i>Parasteatoda tepidariorum</i> | Arachnida | Araneae | Theridiidae |
| DR443206 | Prip -like2 | São paulo black tarantula | <i>Acanthoscurria gomesiana</i> | Arachnida | Araneae | Theraphosidae |
| GAZS01036184 | Prip -like2 | Brazilian giant whiteknee tarantula | <i>Acanthoscurria geniculata</i> | Arachnida | Araneae | Theraphosidae |
| AYEL01066910/AYEL01075601 | Prip -like1 | Chinese scorpion | <i>Mesobuthus martensii</i> | Arachnida | Scorpiones | Buthidae |
| AXZ01136975/AYEL01075601 | Prip -like1 | Baja California bark scorpion | <i>Centruroides exilicauda</i> | Arachnida | Scorpiones | Buthidae |
| AYEL01052592 | Prip -like2 | Chinese scorpion | <i>Mesobuthus martensii</i> | Arachnida | Scorpiones | Buthidae |
| AXZ01008908 | Prip -like2 | Baja California bark scorpion | <i>Centruroides exilicauda</i> | Arachnida | Scorpiones | Buthidae |
| AYEL01088164 | Prip -like3 | Chinese scorpion | <i>Mesobuthus martensii</i> | Arachnida | Scorpiones | Buthidae |
| AXZ01127083 | Prip -like3 | Baja California bark scorpion | <i>Centruroides exilicauda</i> | Arachnida | Scorpiones | Buthidae |

Hexapoda unclassified

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|---------------------------|---------|--------------------------|-------------------------------------|----------|---------|---------------|
| FBpp0072014 | Egfp 4 | Fruit fly | <i>Drosophila melanogaster</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0196999 | Egfp 4 | Fruit fly | <i>Drosophila sechellia</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0223428 | Egfp 4 | Fruit fly | <i>Drosophila simulans</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0256556 | Egfp 4 | Fruit fly | <i>Drosophila yakuba</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0138556 | Egfp 4 | Fruit fly | <i>Drosophila erecta</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0115022 | Egfp 4 | Fruit fly | <i>Drosophila ananassae</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0278011 | Egfp 4 | Fruit fly | <i>Drosophila pseudoobscura</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0181703 | Egfp 4 | Fruit fly | <i>Drosophila persimilis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0236772 | Egfp 4 | Fruit fly | <i>Drosophila virilis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0169721 | Egfp 4 | Fruit fly | <i>Drosophila mojavensis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0155125 | Egfp 4 | Fruit fly | <i>Drosophila grimshawi</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0252317 | Egfp 4 | Fruit fly | <i>Drosophila willistoni</i> | Hexapoda | Diptera | Drosophilidae |
| EZ127051 | Egfp 4 | Apple maggot | <i>Rhagoletis pomonella</i> | Hexapoda | Diptera | Tephritidae |
| GAKB01002522 | Egfp 4a | Olive fruit fly | <i>Bactrocera oleae</i> | Hexapoda | Diptera | Tephritidae |
| GAKB01004245 | Egfp 4b | Olive fruit fly | <i>Bactrocera oleae</i> | Hexapoda | Diptera | Tephritidae |
| GAKB01003899 | Egfp 4c | Olive fruit fly | <i>Bactrocera oleae</i> | Hexapoda | Diptera | Tephritidae |
| ACT34033 | Egfp 4 | Goldenrod gall fly | <i>Eurosta solidaginis</i> | Hexapoda | Diptera | Tephritidae |
| XM_004522562 | Egfp 4 | Mediterranean fruit fly | <i>Ceratitis capitata</i> | Hexapoda | Diptera | Tephritidae |
| JG419371 | Egfp 4 | Australian sheep blowfly | <i>Lucilia cuprina</i> | Hexapoda | Diptera | Calliphoridae |
| FG295968/FG298919 | Egfp 4 | Primary screw-worm | <i>Cochliomyia hominivorax</i> | Hexapoda | Diptera | Calliphoridae |
| EZ597305 | Egfp 4 | Flesh fly | <i>Sarcophaga crassipalpis</i> | Hexapoda | Diptera | Sarcophagidae |
| FD460504 | Egfp 4 | Horn fly | <i>Haematobia irritans irritans</i> | Hexapoda | Diptera | Muscidae |
| AQPM01070455/XP_005183005 | Egfp 4a | House fly | <i>Musca domestica</i> | Hexapoda | Diptera | Muscidae |
| AQPM01070459 | Egfp 4b | House fly | <i>Musca domestica</i> | Hexapoda | Diptera | Muscidae |
| FBpp0072015 | Egfp 3 | Fruit fly | <i>Drosophila melanogaster</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0197000 | Egfp 3 | Fruit fly | <i>Drosophila sechellia</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0223429 | Egfp 3 | Fruit fly | <i>Drosophila simulans</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0256558 | Egfp 3 | Fruit fly | <i>Drosophila yakuba</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0138557 | Egfp 3 | Fruit fly | <i>Drosophila erecta</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0115023 | Egfp 3 | Fruit fly | <i>Drosophila ananassae</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0278012 | Egfp 3 | Fruit fly | <i>Drosophila pseudoobscura</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0181704 | Egfp 3 | Fruit fly | <i>Drosophila persimilis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0169722 | Egfp 3 | Fruit fly | <i>Drosophila mojavensis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0155126 | Egfp 3 | Fruit fly | <i>Drosophila grimshawi</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0252320 | Egfp 3 | Fruit fly | <i>Drosophila willistoni</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0072016 | Egfp 2 | Fruit fly | <i>Drosophila melanogaster</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0197001 | Egfp 2 | Fruit fly | <i>Drosophila sechellia</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0223430 | Egfp 2 | Fruit fly | <i>Drosophila simulans</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0256559 | Egfp 2 | Fruit fly | <i>Drosophila yakuba</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0138558 | Egfp 2 | Fruit fly | <i>Drosophila erecta</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0115024 | Egfp 2 | Fruit fly | <i>Drosophila ananassae</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0278013 | Egfp 2 | Fruit fly | <i>Drosophila pseudoobscura</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0181705 | Egfp 2 | Fruit fly | <i>Drosophila persimilis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0236774 | Egfp 2 | Fruit fly | <i>Drosophila virilis</i> | Hexapoda | Diptera | Drosophilidae |

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|--|---------|---------------------------------|---------------------------------------|----------|--------------|----------------|
| FBpp0155127 | Egpl 2 | Fruit fly | <i>Drosophila grimshawi</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0252321 | Egpl 2 | Fruit fly | <i>Drosophila willistoni</i> | Hexapoda | Diptera | Drosophilidae |
| AFP49896 | Egpl 2a | Tsetse fly | <i>Glossina morsitans morsitans</i> | Hexapoda | Diptera | Glossinidae |
| ADD19418 | Egpl 2b | Tsetse fly | <i>Glossina morsitans morsitans</i> | Hexapoda | Diptera | Glossinidae |
| AFP49898 | Egpl 2c | Tsetse fly | <i>Glossina morsitans morsitans</i> | Hexapoda | Diptera | Glossinidae |
| ADD18960 | Egpl 2d | Tsetse fly | <i>Glossina morsitans morsitans</i> | Hexapoda | Diptera | Glossinidae |
| AAEL005008/XP_001650169 | Egpl 2 | Yellow fever mosquito | <i>Aedes aegypti</i> | Hexapoda | Diptera | Culicidae |
| JO854615 | Egpl 2 | Asian tiger mosquito | <i>Aedes albopictus</i> | Hexapoda | Diptera | Culicidae |
| CPU009225 | Egpl 2 | Southern house mosquito | <i>Culex quinquefasciatus</i> | Hexapoda | Diptera | Culicidae |
| AGAP010325 | Egpl 2 | African malaria mosquito | <i>Anopheles gambiae</i> | Hexapoda | Diptera | Culicidae |
| E2975669 | Egpl 2 | African malaria mosquito | <i>Anopheles funestus</i> | Hexapoda | Diptera | Culicidae |
| GAFE01000152 | Egpl 2 | Indonesian malaria mosquito | <i>Anopheles sinensis</i> | Hexapoda | Diptera | Culicidae |
| GAMD01001135 | Egpl 2 | South American malaria mosquito | <i>Anopheles aquasalis</i> | Hexapoda | Diptera | Culicidae |
| BAF62091 | Egpl 2 | Sleeping chironomid | <i>Polypedilum vanderplanki</i> | Hexapoda | Diptera | Chironomidae |
| GAAK01006050 | Egpl 2 | Antarctic flightless midge | <i>Belgica antarctica</i> | Hexapoda | Diptera | Chironomidae |
| KA181130 | Egpl 2 | Harlequin fly | <i>Chironomus riparius</i> | Hexapoda | Diptera | Chironomidae |
| AEGA01025736 | Egpl 2 | Hessian fly | <i>Mayetiola destructor</i> | Hexapoda | Diptera | Cecidomyiidae |
| EZ406461 | Egpl 2 | Hessian fly | <i>Mayetiola destructor</i> | Hexapoda | Diptera | Cecidomyiidae |
| JP552203 | Egpl 2 | Sand fly | <i>Phlebotomus papatasi</i> | Hexapoda | Diptera | Psychodidae |
| FBpp0071980 | Egpl 1 | Fruit fly | <i>Drosophila melanogaster</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0259319 | Egpl 1 | Fruit fly | <i>Drosophila yakuba</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0141417 | Egpl 1 | Fruit fly | <i>Drosophila erecta</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0116260 | Egpl 1 | Fruit fly | <i>Drosophila ananassae</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0281368 | Egpl 1 | Fruit fly | <i>Drosophila pseudoobscura</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0185590 | Egpl 1 | Fruit fly | <i>Drosophila persimilis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0234409 | Egpl 1a | Fruit fly | <i>Drosophila virilis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0168243 | Egpl 1a | Fruit fly | <i>Drosophila mojavensis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0154569 | Egpl 1a | Fruit fly | <i>Drosophila grimshawi</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0252206 | Egpl 1 | Fruit fly | <i>Drosophila willistoni</i> | Hexapoda | Diptera | Drosophilidae |
| AAEL005001/XP_001650168 | Egpl 1 | Yellow fever mosquito | <i>Aedes aegypti</i> | Hexapoda | Diptera | Culicidae |
| JO889430 | Egpl 1 | Asian tiger mosquito | <i>Aedes albopictus</i> | Hexapoda | Diptera | Culicidae |
| CPIJ009224 | Egpl 1 | Southern house mosquito | <i>Culex quinquefasciatus</i> | Hexapoda | Diptera | Culicidae |
| AGAP010326 | Egpl 1 | African malaria mosquito | <i>Anopheles gambiae</i> | Hexapoda | Diptera | Culicidae |
| JP541300 | Egpl 1 | Sand fly | <i>Phlebotomus papatasi</i> | Hexapoda | Diptera | Psychodidae |
| GAAK01006051 | Egpl 1a | Antarctic flightless midge | <i>Belgica antarctica</i> | Hexapoda | Diptera | Chironomidae |
| GAAK01006051 | Egpl 1b | Antarctic flightless midge | <i>Belgica antarctica</i> | Hexapoda | Diptera | Chironomidae |
| AK383767 | Egpl 1 | Domestic silkworm | <i>Bombyx mori</i> | Hexapoda | Lepidoptera | Bombycidae |
| AB245966 | Egpl 2 | Domestic silkworm | <i>Bombyx mori</i> | Hexapoda | Lepidoptera | Bombycidae |
| CAEZ01006548 | Egpl 1 | Postman butterfly | <i>Heliconius melpomene melpomene</i> | Hexapoda | Lepidoptera | Nymphalidae |
| CAEZ01001062 | Egpl 2 | Postman butterfly | <i>Heliconius melpomene melpomene</i> | Hexapoda | Lepidoptera | Nymphalidae |
| CAEZ01001062 | Egpl 3 | Postman butterfly | <i>Heliconius melpomene melpomene</i> | Hexapoda | Lepidoptera | Nymphalidae |
| CAEZ01001062 | Egpl 4 | Postman butterfly | <i>Heliconius melpomene melpomene</i> | Hexapoda | Lepidoptera | Nymphalidae |
| EHJ72288 | Egpl 1 | Monarch butterfly | <i>Danaus plexippus</i> | Hexapoda | Lepidoptera | Nymphalidae |
| EHJ65755 | Egpl 2 | Monarch butterfly | <i>Danaus plexippus</i> | Hexapoda | Lepidoptera | Nymphalidae |
| EHJ78266 | Egpl 3 | Monarch butterfly | <i>Danaus plexippus</i> | Hexapoda | Lepidoptera | Nymphalidae |
| EHJ72289 | Egpl 4 | Monarch butterfly | <i>Danaus plexippus</i> | Hexapoda | Lepidoptera | Nymphalidae |
| E8823882 | Egpl 2 | Indianmeal moth | <i>Plodia interpunctella</i> | Hexapoda | Lepidoptera | Pyrralidae |
| JP717914 | Egpl 2 | Asian Swallowtail | <i>Papilio xuthus</i> | Hexapoda | Lepidoptera | Papilionidae |
| GAJS01025088 | Egpl 1 | striped riceborer | <i>Chilo suppressalis</i> | Hexapoda | Lepidoptera | Crambidae |
| GAJS01070620 | Egpl 2 | striped riceborer | <i>Chilo suppressalis</i> | Hexapoda | Lepidoptera | Crambidae |
| JP612965 | Egpl 2 | Propertius duskywing | <i>Erynnis propertius</i> | Hexapoda | Lepidoptera | Hesperiidae |
| JO814913 | Egpl 1 | Tobacco hornworm | <i>Manduca sexta</i> | Hexapoda | Lepidoptera | Sphingidae |
| BAH47555 | Egpl 1 | Oriental fruit moth | <i>Grapholita molesta</i> | Hexapoda | Lepidoptera | Tortricidae |
| TC014278 | Egpl 4 | Red flour Beetle | <i>Tribolium castaneum</i> | Hexapoda | Coleoptera | Tenebrionidae |
| TC014279 | Egpl 3 | Red flour Beetle | <i>Tribolium castaneum</i> | Hexapoda | Coleoptera | Tenebrionidae |
| TC014280 | Egpl 2 | Red flour Beetle | <i>Tribolium castaneum</i> | Hexapoda | Coleoptera | Tenebrionidae |
| TC014281 | Egpl 1 | Red flour Beetle | <i>Tribolium castaneum</i> | Hexapoda | Coleoptera | Tenebrionidae |
| GAFI01017518 | Egpl 1 | Southern pine beetle | <i>Dendroctonus frontalis</i> | Hexapoda | Coleoptera | Curculionidae |
| GACR01006542 | Egpl 1 | European spruce bark beetle | <i>Ips typographus</i> | Hexapoda | Coleoptera | Curculionidae |
| AEE61512 | Egpl 1 | Mountain pine weevil | <i>Dendroctonus ponderosae</i> | Hexapoda | Coleoptera | Curculionidae |
| JU408487 | Egpl 1 | Salt marsh beetle | <i>Pogonus chalcus</i> | Hexapoda | Coleoptera | Carabidae |
| GAXW01009218 | Egpl | Antlion | <i>Euroleon nostras</i> | Hexapoda | Neoptera | Myrmeleontidae |
| GAVV01181849 | Egpl 1 | Green lacewing | <i>Pseudomallada prasinus</i> | Hexapoda | Neoptera | Chrysopidae |
| GAVV01166415 | Egpl 2 | Green lacewing | <i>Pseudomallada prasinus</i> | Hexapoda | Neoptera | Chrysopidae |
| XP_003403182 | Egpl 3 | Buff-tailed bumblebee | <i>Bombus terrestris</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003486426 | Egpl 3 | Common eastern bumble bee | <i>Bombus impatiens</i> | Hexapoda | Hymenoptera | Apidae |
| XP_624194 | Egpl 3 | Honey bee | <i>Apis mellifera</i> | Hexapoda | Hymenoptera | Apidae |
| GAGH01067111 | Egpl 3 | Mason bee | <i>Osmia cornuta</i> | Hexapoda | Hymenoptera | Megachilidae |
| XP_003702537 | Egpl 3 | Alfalfa leafcutting bee | <i>Megachile rotundata</i> | Hexapoda | Hymenoptera | Megachilidae |
| EGI59562 | Egpl 3 | Panamanian leafcutter ant | <i>Acromyrmex echinatior</i> | Hexapoda | Hymenoptera | Formicidae |
| EFN68166 | Egpl 3 | Florida carpenter ant | <i>Camponotus floridanus</i> | Hexapoda | Hymenoptera | Formicidae |
| EFN76752 | Egpl 3 | Jerdon's jumping ant | <i>Harpegnathos saltator</i> | Hexapoda | Hymenoptera | Formicidae |
| ACEP_00012182 | Egpl 3 | Leafcutter ant | <i>Atta cephalotes</i> | Hexapoda | Hymenoptera | Formicidae |
| XP_001601253 | Egpl 3 | Jewel wasp | <i>Nasonia vitripennis</i> | Hexapoda | Hymenoptera | Pteromalidae |
| ADA001239456/ADA001239457/ADA001239458 | Egpl 3 | Jewel wasp | <i>Nasonia giraulti</i> | Hexapoda | Hymenoptera | Pteromalidae |
| XP_003403164 | Egpl 2 | Buff-tailed bumblebee | <i>Bombus terrestris</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003486425 | Egpl 2 | Common eastern bumble bee | <i>Bombus impatiens</i> | Hexapoda | Hymenoptera | Apidae |
| XP_001121899 | Egpl 2 | Honey bee | <i>Apis mellifera</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003702536 | Egpl 2 | Alfalfa leafcutting bee | <i>Megachile rotundata</i> | Hexapoda | Hymenoptera | Megachilidae |
| EGI59563 | Egpl 2 | Panamanian leafcutter ant | <i>Acromyrmex echinatior</i> | Hexapoda | Hymenoptera | Formicidae |
| EFZ21244 | Egpl 2 | Red fire ant | <i>Solenopsis invicta</i> | Hexapoda | Hymenoptera | Formicidae |
| ACEP_00012181 | Egpl 2 | Leafcutter ant | <i>Atta cephalotes</i> | Hexapoda | Hymenoptera | Formicidae |
| XP_001601231 | Egpl 2 | Jewel wasp | <i>Nasonia vitripennis</i> | Hexapoda | Hymenoptera | Pteromalidae |
| ADA001239444 | Egpl 2 | Jewel wasp | <i>Nasonia giraulti</i> | Hexapoda | Hymenoptera | Pteromalidae |
| XP_003393900 | Egpl 1 | Buff-tailed bumblebee | <i>Bombus terrestris</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003484555 | Egpl 1 | Common eastern bumble bee | <i>Bombus impatiens</i> | Hexapoda | Hymenoptera | Apidae |
| XP_001121043 | Egpl 1 | Honey bee | <i>Apis mellifera</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003702536 | Egpl 1 | Alfalfa leafcutting bee | <i>Megachile rotundata</i> | Hexapoda | Hymenoptera | Megachilidae |
| EGI63170 | Egpl 1 | Panamanian leafcutter ant | <i>Acromyrmex echinatior</i> | Hexapoda | Hymenoptera | Formicidae |
| EFN67363 | Egpl 1 | Florida carpenter ant | <i>Camponotus floridanus</i> | Hexapoda | Hymenoptera | Formicidae |
| XP_001603421 | Egpl 1 | Jewel wasp | <i>Nasonia vitripennis</i> | Hexapoda | Hymenoptera | Pteromalidae |
| ADA001181999 | Egpl 1 | Jewel wasp | <i>Nasonia giraulti</i> | Hexapoda | Hymenoptera | Pteromalidae |
| PHUM474700 | Egpl 2 | Human body louse | <i>Pediculus humanus corporis</i> | Hexapoda | Phthiraptera | Pediculidae |
| PHUM369010 | Egpl 1 | Human body louse | <i>Pediculus humanus corporis</i> | Hexapoda | Phthiraptera | Pediculidae |
| GAWR01092467 | Egpl 1 | Poultry shaft louse | <i>Menopon gallinae</i> | Hexapoda | Phthiraptera | Menoponidae |
| GAWR01093370 | Egpl 2 | Poultry shaft louse | <i>Menopon gallinae</i> | Hexapoda | Phthiraptera | Menoponidae |
| GAWR01009252 | Egpl 3 | Poultry shaft louse | <i>Menopon gallinae</i> | Hexapoda | Phthiraptera | Menoponidae |
| GAWR01011369 | Egpl 4 | Poultry shaft louse | <i>Menopon gallinae</i> | Hexapoda | Phthiraptera | Menoponidae |
| GAYV01019679 | Egpl 1 | Booklice | <i>Liposcelis bostrychophila</i> | Hexapoda | Psocoptera | Liposcelidae |

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|----------------------------|-----------|---------------------------------|--------------------------------------|----------|------------------|---------------------|
| GAYV01019146 | Egfp 2 | Booklice | <i>Liposcelis bostrychophila</i> | Hexapoda | Psocoptera | Liposcelidae |
| GAPT01001679 | Egfp 1 | Booklice | <i>Ectopsocus briggsi</i> | Hexapoda | Psocoptera | Ectopsocidae |
| GAPT01090202 | Egfp 2 | Booklice | <i>Ectopsocus briggsi</i> | Hexapoda | Psocoptera | Ectopsocidae |
| GAXD01000016 | Egfp | Western flower thrips | <i>Frankliniella occidentalis</i> | Hexapoda | Thysanoptera | Thripidae |
| GAJY01002108 | Egfp | Cowpea flower thrips | <i>Megalurothrips sjostedti</i> | Hexapoda | Thysanoptera | Thripidae |
| CAC13959/AEV57515/AEV57516 | Egfp | Assassin bug | <i>Rhodnius prolixus</i> | Hexapoda | Hemiptera | Reduviidae |
| KF048098 | Egfp 1 | Lygus bug | <i>Lygus hesperus</i> | Hexapoda | Hemiptera | Miridae |
| KF048093 | Egfp 2A | Lygus bug | <i>Lygus hesperus</i> | Hexapoda | Hemiptera | Miridae |
| KF048094 | Egfp 2B | Lygus bug | <i>Lygus hesperus</i> | Hexapoda | Hemiptera | Miridae |
| KF048095 | Egfp 2C | Lygus bug | <i>Lygus hesperus</i> | Hexapoda | Hemiptera | Miridae |
| KF048096 | Egfp 2D | Lygus bug | <i>Lygus hesperus</i> | Hexapoda | Hemiptera | Miridae |
| KF048097 | Egfp 2E | Lygus bug | <i>Lygus hesperus</i> | Hexapoda | Hemiptera | Miridae |
| XP_001952198 | Egfp | Pea aphid | <i>Acyrtosiphon pisum</i> | Hexapoda | Hemiptera | Aphididae |
| F0032683 | Egfp | Shallot aphid | <i>Myzus ascalonicus</i> | Hexapoda | Hemiptera | Aphididae |
| GAOM01002305 | Egfp | Potato aphid | <i>Macrosiphum euphorbiae</i> | Hexapoda | Hemiptera | Aphididae |
| GW522658 | Egfp | Cotton aphid | <i>Aphis gossypii</i> | Hexapoda | Hemiptera | Aphididae |
| AHB86603 | Egfp | Potato psyllid | <i>Bactericera cockerelli</i> | Hexapoda | Hemiptera | Triozidae |
| AHB86602 | Egfp | Potato psyllid | <i>Bactericera cockerelli</i> | Hexapoda | Hemiptera | Triozidae |
| AHB86601 | Egfp | Potato psyllid | <i>Bactericera cockerelli</i> | Hexapoda | Hemiptera | Triozidae |
| XP_008487274 | Egfp | Potato psyllid | <i>Bactericera cockerelli</i> | Hexapoda | Hemiptera | Triozidae |
| GACJ01000325 | Egfp | Asian citrus psyllid | <i>Diaphorina citri</i> | Hexapoda | Hemiptera | Psyllidae |
| HP650016 | Egfp 1 | Asian citrus psyllid | <i>Diaphorina citri</i> | Hexapoda | Hemiptera | Psyllidae |
| HP660290 | Egfp 2 | Sweet potato whitefly | <i>Bemisia tabaci</i> | Hexapoda | Hemiptera | Aleyrodidae |
| GAJV01000737 | Egfp | Sweet potato whitefly | <i>Bemisia tabaci</i> | Hexapoda | Hemiptera | Aleyrodidae |
| GAJX01000223 | Egfp | Cowpea pod-sucking bug | <i>Anoplocnemis curvipes</i> | Hexapoda | Hemiptera | Coreidae |
| BAN21211 | Egfp | African pod bug | <i>Clavigralla tomentosicollis</i> | Hexapoda | Hemiptera | Coreidae |
| GBID01002499 | Egfp | Bean bug | <i>Riptortus pedestris</i> | Hexapoda | Hemiptera | Coreidae |
| FG131060/GAWS01002503 | Egfp | German cockroach | <i>Blattella germanica</i> | Hexapoda | Blattodea | Ectobiidae |
| GAYD01331798 | Egfp | American cockroach | <i>Periplaneta americana</i> | Hexapoda | Blattodea | Blattidae |
| GAZN01202855 | Egfp 1 | Blaberus cockroach | <i>Blaberus atropos</i> | Hexapoda | Blattodea | Blaberidae |
| GAZN01196580 | Egfp 2 | Brown hooded cockroach | <i>Cryptocercus wrighti</i> | Hexapoda | Blattodea | Cryptocercidae |
| FX376451 | Egfp | Brown hooded cockroach | <i>Cryptocercus wrighti</i> | Hexapoda | Blattodea | Cryptocercidae |
| AUST01030857 | Egfp | Wood-eating higher termite | <i>Nasutitermes takasagoensis</i> | Hexapoda | Isoptera | Termitidae |
| GASE01009002 | Egfp | Nevada dampwood termite | <i>Zootermopsis nevadensis</i> | Hexapoda | Isoptera | Termitidae |
| FL640174/FL639044 | Egfp | Cuban subterranean termite | <i>Prohynchotermes simplex</i> | Hexapoda | Isoptera | Rhinotermitidae |
| GATB01335234 | Egfp | Eastern subterranean termite | <i>Reticulitermes flavipes</i> | Hexapoda | Isoptera | Rhinotermitidae |
| GASW01223743 | Egfp | Metallic mantis | <i>Metallicus splendidus</i> | Hexapoda | Mantodea | Metallicidae |
| GAYA01013920 | Egfp | Praying mantis | <i>Mantis religiosa</i> | Hexapoda | Mantodea | Mantidae |
| GAAX01017048 | Egfp | Zoraptid | <i>Zorotypus caudelli</i> | Hexapoda | Orthoptera | Zorotypidae |
| GAYL01128297 | Egfp | European earwig | <i>Forficula auricularia</i> | Hexapoda | Dermoptera | Forficulidae |
| GAUF01000114 | Egfp | Stonefly | <i>Cosmioperla kuna</i> | Hexapoda | Plecoptera | Eustheniidae |
| GATV01154381 | Egfp | Leuctra | <i>Leuctra sp.</i> | Hexapoda | Plecoptera | Leuctridae |
| GAWU01009413 | Egfp | Stonefly | <i>Perla marginata</i> | Hexapoda | Plecoptera | Perlidae |
| GAWG01091169 | Egfp | Webspinner | <i>Aposthonia japonica</i> | Hexapoda | Embioptera | Oligotomidae |
| GAWE01075831 | Egfp | Giant prickly stick insect | <i>Extatosoma tiaratum</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWD01039255 | Egfp | Vietnamese walking stick insect | <i>Ramulus artemis</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWF01050690 | Egfp | Vietnamese walking stick | <i>Medauroidea extrudentata</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWC01056573 | Egfp | Pink winged stick insect | <i>Sipyloidea sipyilus</i> | Hexapoda | Phasmatodea | Diapheromeridae |
| GAXB01152638 | Egfp 1 | Thorny stick insect | <i>Aretaon asperimus</i> | Hexapoda | Phasmatodea | Heteropterygidae |
| GAXB01151664 | Egfp 2 | Heelwalker | <i>Tanzaniophasma sp.</i> | Hexapoda | Mantophasmatodea | Tanzaniophasmatidae |
| AVCP010359984 | Egfp | Heelwalker | <i>Tanzaniophasma sp.</i> | Hexapoda | Mantophasmatodea | Tanzaniophasmatidae |
| GAZT01001309 | Egfp | Migratory locust | <i>Locusta migratoria</i> | Hexapoda | Orthoptera | Acrididae |
| GBHB01072046 | Egfp | False stick insect | <i>Prosarthria teretirostris</i> | Hexapoda | Orthoptera | Proscopiidae |
| GAIZ01015418 | Egfp | Oceanic field cricket | <i>Teleogryllus commodus</i> | Hexapoda | Orthoptera | Gryllidae |
| GASQ01128632 | Egfp | Sand field cricket | <i>Gryllus firmus</i> | Hexapoda | Orthoptera | Gryllidae |
| GAUZ01005949 | Egfp | Slender Groundhopper | <i>Tetrix subulata</i> | Hexapoda | Orthoptera | Tetrigidae |
| GATU01013392 | Egfp | Stripe-winged grasshopper | <i>Stenobothrus lineatus</i> | Hexapoda | Orthoptera | Acrididae |
| GATU01003749 | Egfp 1 | Blue-winged olive | <i>Baetis sp.</i> | Hexapoda | Ephemeroptera | Baetidae |
| GAXA01012395 | Egfp 2 | Blue-winged olive | <i>Baetis sp.</i> | Hexapoda | Ephemeroptera | Baetidae |
| GAZG01100517 | Egfp | Mahogany Dun | <i>Isonychia bicolor</i> | Hexapoda | Ephemeroptera | Isonychiidae |
| AYNC01028369 | Egfp | Mayfly | <i>Eurylophella sp.</i> | Hexapoda | Ephemeroptera | Ephemerellidae |
| GAYM01007100 | Egfp | Green drake | <i>Ephemera danica</i> | Hexapoda | Ephemeroptera | Ephemeridae |
| GAVW01007834 | Egfp | Banded damoiselle | <i>Calopteryx splendens</i> | Hexapoda | Odonata | Calopterygidae |
| GAYO01001919 | Egfp | Dragonfly | <i>Epiophlebia superstes</i> | Hexapoda | Odonata | Epiophlebiidae |
| APVN01045462 | Egfp | Golden-ringed dragonfly | <i>Cordulegaster boltonii</i> | Hexapoda | Odonata | Cordulegastriidae |
| GASN01409637 | Egfp | Scarce chaser | <i>Ladona fulva</i> | Hexapoda | Odonata | Libellulidae |
| GAYJ01034252 | Egfp | Firebrat | <i>Thermobia domestica</i> | Hexapoda | Zygentoma | Lepismatidae |
| GAUM01182693 | Egfp | Silverfish | <i>Atelura formicaria</i> | Hexapoda | Zygentoma | Nicoletiidae |
| GAUG01034808 | Egfp | Bristletail | <i>Machilis hrabei</i> | Hexapoda | Archaeognatha | Machilidae |
| GAUM01024706 | Egfp | Bristletail | <i>Meinertellus cundinamarcensis</i> | Hexapoda | Archaeognatha | Meinertellidae |
| GAUG01247769 | Egfp-like | Bristletail | <i>Machilis hrabei</i> | Hexapoda | Archaeognatha | Machilidae |
| GAXE01013530 | Egfp-like | Bristletail | <i>Meinertellus cundinamarcensis</i> | Hexapoda | Archaeognatha | Meinertellidae |
| GAXE01015084 | Egfp-like | Conehead | <i>Acerentomon sp.</i> | Hexapoda | Protura | Acerentomidae |
| | Egfp-like | S-par Conehead | <i>Acerentomon sp.</i> | Hexapoda | Protura | Acerentomidae |

Arthropoda aquaglyceroporis

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|---|-------|---------------------------------|-----------------------------------|----------|------------------|---------------------|
| XP_002430403 | Gfp | Human body louse | <i>Pediculus humanus corporis</i> | Hexapoda | Phthiraptera | Pediculidae |
| GAWR01093456 | Gfp | Poultry shaft louse | <i>Menopon gallinae</i> | Hexapoda | Phthiraptera | Menoponidae |
| GAYV01015247 | Gfp 1 | Booklice | <i>Liposcelis bostrychophila</i> | Hexapoda | Psocoptera | Liposcelidae |
| GAYV01015248 | Gfp 2 | Booklice | <i>Liposcelis bostrychophila</i> | Hexapoda | Psocoptera | Liposcelidae |
| GAPT01019852 | Gfp | Booklice | <i>Ectopsocus briggsi</i> | Hexapoda | Psocoptera | Ectopsocidae |
| GAYA01037781 | Gfp | Zoraptid | <i>Zorotypus caudelli</i> | Hexapoda | Orthoptera | Zorotypidae |
| GABA01000698 | Gfp | Zoraptid | <i>Zorotypus gurneyi</i> | Hexapoda | Zoraptera | Zorotypidae |
| GAYQ01177068 | Gfp | European earwig | <i>Forficula auricularia</i> | Hexapoda | Dermoptera | Forficulidae |
| GAYL01081166 | Gfp | Stonefly | <i>Cosmioperla kuna</i> | Hexapoda | Plecoptera | Eustheniidae |
| GAUF01080011 | Gfp | Leuctra | <i>Leuctra sp.</i> | Hexapoda | Plecoptera | Leuctridae |
| GATV01110784 | Gfp | Stonefly | <i>Perla marginata</i> | Hexapoda | Plecoptera | Perlidae |
| GAWU01218234 | Gfp | Webspinner | <i>Aposthonia japonica</i> | Hexapoda | Embioptera | Oligotomidae |
| GAWG01068929 | Gfp | Giant prickly stick insect | <i>Extatosoma tiaratum</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWE01083837/GAWE01083816 | Gfp | Vietnamese walking stick insect | <i>Ramulus artemis</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWD01050986 | Gfp | Vietnamese walking stick | <i>Medauroidea extrudentata</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAWF01020399/GAWF01096573/GAWF01024650/GAWF01024651 | Gfp | Pink winged stick insect | <i>Sipyloidea sipyilus</i> | Hexapoda | Phasmatodea | Diapheromeridae |
| GAWC01056095 | Gfp | Thorny stick insect | <i>Aretaon asperimus</i> | Hexapoda | Phasmatodea | Heteropterygidae |
| GAXB01138367 | Gfp | Heelwalker | <i>Tanzaniophasma sp.</i> | Hexapoda | Mantophasmatodea | Tanzaniophasmatidae |
| GAUX01277991 | Gfp | Camel cricket | <i>Ceuthophilus sp.</i> | Hexapoda | Orthoptera | Rhaphidophoridae |
| GAZT01142164 | Gfp | False stick insect | <i>Prosarthria teretirostris</i> | Hexapoda | Orthoptera | Proscopiidae |
| GASQ01015062 | Gfp | Slender Groundhopper | <i>Tetrix subulata</i> | Hexapoda | Orthoptera | Tetrigidae |
| GAUZ01006460 | Gfp | Stripe-winged grasshopper | <i>Stenobothrus lineatus</i> | Hexapoda | Orthoptera | Acrididae |
| GATU01072356 | Gfp | Blue-winged olive | <i>Baetis sp.</i> | Hexapoda | Ephemeroptera | Baetidae |
| GAXA0113250 | Gfp | Mahogany Dun | <i>Isonychia bicolor</i> | Hexapoda | Ephemeroptera | Isonychiidae |

| | | | | | | |
|---|---------|-------------------------------------|-------------------------------------|-----------|----------------|---------------|
| JAC35177 | Glp B1 | Rickettsia tick | <i>Amblyomma triste</i> | Acari | Ixodida | Ixodidae |
| JAC25752 | Glp B1 | Rickettsia tick | <i>Amblyomma parvum</i> | Acari | Ixodida | Ixodidae |
| JAC22662 | Glp B1 | Cayenne tick | <i>Amblyomma cajennense</i> | Acari | Ixodida | Ixodidae |
| GACK01008102 | Glp B1 | Zebra tick | <i>Rhipicephalus pulchellus</i> | Acari | Ixodida | Ixodidae |
| CAR66115 | Glp B1 | Brown dog tick | <i>Rhipicephalus sanguineus</i> | Acari | Ixodida | Ixodidae |
| CD780384 | Glp B1 | Brown ear tick | <i>Rhipicephalus appendiculatus</i> | Acari | Ixodida | Ixodidae |
| ABJB010086453/ABJB010131197/ABJB010002103 | Glp B2a | Blacklegged tick | <i>Ixodes scapularis</i> | Acari | Ixodida | Ixodidae |
| EEC04800 | Glp B2b | Blacklegged tick | <i>Ixodes scapularis</i> | Acari | Ixodida | Ixodidae |
| CAX48964 | Glp B2a | Castor bean tick | <i>Ixodes ricinus</i> | Acari | Ixodida | Ixodidae |
| JAA71533 | Glp B2b | Castor bean tick | <i>Ixodes ricinus</i> | Acari | Ixodida | Ixodidae |
| JAC32051 | Glp B2 | Rickettsia tick | <i>Amblyomma triste</i> | Acari | Ixodida | Ixodidae |
| JAC25679 | Glp B2 | Rickettsia tick | <i>Amblyomma parvum</i> | Acari | Ixodida | Ixodidae |
| JAC19979 | Glp B2 | Cayenne tick | <i>Amblyomma cajennense</i> | Acari | Ixodida | Ixodidae |
| JAC25782 | Glp B3 | Rickettsia tick | <i>Amblyomma parvum</i> | Acari | Ixodida | Ixodidae |
| JAC21377 | Glp B3 | Cayenne tick | <i>Amblyomma cajennense</i> | Acari | Ixodida | Ixodidae |
| GAGD01000711 | Glp B3 | Lone Star tick | <i>Amblyomma americanum</i> | Acari | Ixodida | Ixodidae |
| JAA56054 | Glp B3 | Zebra tick | <i>Rhipicephalus pulchellus</i> | Acari | Ixodida | Ixodidae |
| GADI01002277 | Glp B3 | Castor bean tick | <i>Ixodes ricinus</i> | Acari | Ixodida | Ixodidae |
| EEC20079 | Glp B3 | Blacklegged tick | <i>Ixodes scapularis</i> | Acari | Ixodida | Ixodidae |
| AB153034 | Glp B4 | American dog tick | <i>Dermacentor variabilis</i> | Acari | Ixodida | Ixodidae |
| CK190314/CK190314 | Glp B4 | Southern cattle tick | <i>Rhipicephalus microplus</i> | Acari | Ixodida | Ixodidae |
| ABJB011072005/ABJB010219880 | Glp B4 | Blacklegged tick | <i>Ixodes scapularis</i> | Acari | Ixodida | Ixodidae |
| GANL01004539 | Glp B | Black widow | <i>Latrodectus tredecimguttatus</i> | Arachnida | Araneae | Theridiidae |
| GBCS01000276 | Glp B | Western black widow | <i>Latrodectus hesperus</i> | Arachnida | Araneae | Theridiidae |
| AOMJ01123248/AOMJ01123250/AOMJ01123251 | Glp B | Common house spider | <i>Parasteatoda tepidarium</i> | Arachnida | Araneae | Theridiidae |
| AOMJ01110087/AOMJ01110082/AOMJ01110081/AOMJ01110079 | Glp B | Common house spider | <i>Parasteatoda tepidarium</i> | Arachnida | Araneae | Theridiidae |
| GAZS01045747 | Glp B | Brazilian giant whiteknee tarantula | <i>Acanthoscurria geniculata</i> | Arachnida | Araneae | Theraphosidae |
| tetur01g07330 | Glp B | Two-spotted spider mite | <i>Tetranychus urticae</i> | Acari | Eleutherengona | Tetranychidae |
| CAEY01001013/CAEY01001014 | Glp B | Two-spotted spider mite | <i>Tetranychus urticae</i> | Acari | Eleutherengona | Tetranychidae |
| CAEY01001579 | Glp B | Two-spotted spider mite | <i>Tetranychus urticae</i> | Acari | Eleutherengona | Tetranychidae |
| JT037994 | Glp B | African social eresid spider | <i>Stegodyphus mimosarum</i> | Arachnida | Araneae | Eresidae |
| JT030404 | Glp B | African social eresid spider | <i>Stegodyphus lineatus</i> | Arachnida | Araneae | Eresidae |
| GBCS01013198 | Glp B | Western black widow | <i>Latrodectus hesperus</i> | Arachnida | Araneae | Theridiidae |
| AYEL01071210 | Glp B | Chinese scorpion | <i>Mesobuthus martensii</i> | Arachnida | Scorpiones | Buthidae |
| AXZI01007912/AXZI01007914/AXZI01007916 | Glp B | Baja California bark scorpion | <i>Centruroides exilicauda</i> | Arachnida | Scorpiones | Buthidae |

Other Protosotomia aquaglyceroporins

| | | | | | | |
|----------|----------|------------|------------------------------|------------|----------|-------------|
| AEP14563 | Glp 9 | Water bear | <i>Milnesium tardigradum</i> | Tardigrada | Apochela | Milnesiidae |
| AEP14555 | Glp (1) | Water bear | <i>Milnesium tardigradum</i> | Tardigrada | Apochela | Milnesiidae |
| AEP14558 | Glp (4) | Water bear | <i>Milnesium tardigradum</i> | Tardigrada | Apochela | Milnesiidae |
| AEP14562 | Glp (8) | Water bear | <i>Milnesium tardigradum</i> | Tardigrada | Apochela | Milnesiidae |
| AEP14556 | Glp (2) | Water bear | <i>Milnesium tardigradum</i> | Tardigrada | Apochela | Milnesiidae |
| AEP14557 | Glp (3) | Water bear | <i>Milnesium tardigradum</i> | Tardigrada | Apochela | Milnesiidae |
| AEP14564 | Glp (10) | Water bear | <i>Milnesium tardigradum</i> | Tardigrada | Apochela | Milnesiidae |
| AEP14561 | Glp (7) | Water bear | <i>Milnesium tardigradum</i> | Tardigrada | Apochela | Milnesiidae |

Arthropoda unorthodox aquaporins

| | | | | | | |
|--|---------|-----------------------------|---------------------------------------|----------|-------------|----------------|
| FBpp0086879 | Aqp 12L | Fruit fly | <i>Drosophila melanogaster</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0201777 | Aqp 12L | Fruit fly | <i>Drosophila sechellia</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0258396 | Aqp 12L | Fruit fly | <i>Drosophila yakuba</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0141060 | Aqp 12L | Fruit fly | <i>Drosophila erecta</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0224314 | Aqp 12L | Fruit fly | <i>Drosophila simulans</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0116155 | Aqp 12L | Fruit fly | <i>Drosophila ananassae</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0276666 | Aqp 12L | Fruit fly | <i>Drosophila pseudoobscura</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0235888 | Aqp 12L | Fruit fly | <i>Drosophila virilis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0167611 | Aqp 12L | Fruit fly | <i>Drosophila mojavensis</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0158826 | Aqp 12L | Fruit fly | <i>Drosophila grimshawi</i> | Hexapoda | Diptera | Drosophilidae |
| FBpp0247034 | Aqp 12L | Fruit fly | <i>Drosophila willistoni</i> | Hexapoda | Diptera | Drosophilidae |
| GAKB01003759 | Aqp 12L | Olive fruit fly | <i>Bactrocera oleae</i> | Hexapoda | Diptera | Tephritidae |
| XP_004529905 | Aqp 12L | Mediterranean fruit fly | <i>Ceratitis capitata</i> | Hexapoda | Diptera | Tephritidae |
| CAQQ02174372/CAQQ02174371/CAQQ02389937 | Aqp 12L | Scuttle fly | <i>Megasella scalaris</i> | Hexapoda | Diptera | Phoridae |
| E2602043 | Aqp 12L | Flesh fly | <i>Sarcophaga crassipalpis</i> | Hexapoda | Diptera | Sarcophagidae |
| FD463879 | Aqp 12L | Horn fly | <i>Haematobia irritans irritans</i> | Hexapoda | Diptera | Muscidae |
| AQPM01092757 | Aqp 12L | House fly | <i>Haematobia irritans irritans</i> | Hexapoda | Diptera | Muscidae |
| AFP49900 | Aqp 12L | Tsetse fly | <i>Glossina morsitans morsitans</i> | Hexapoda | Diptera | Glossiniidae |
| AAEL014255/XP_001648046 | Aqp 12L | Yellow fever mosquito | <i>Aedes aegypti</i> | Hexapoda | Diptera | Culicidae |
| CPJ004456 | Aqp 12L | Southern house mosquito | <i>Culex quinquefasciatus</i> | Hexapoda | Diptera | Culicidae |
| AGAP010878 | Aqp 12L | African malaria mosquito | <i>Anopheles gambiae</i> | Hexapoda | Diptera | Culicidae |
| E2978777 | Aqp 12L | African malaria mosquito | <i>Anopheles funestus</i> | Hexapoda | Diptera | Culicidae |
| EFR26850 | Aqp 12L | American malaria mosquito | <i>Anopheles darlingi</i> | Hexapoda | Diptera | Culicidae |
| GAFE01006687 | Aqp 12L | Indonesian malaria mosquito | <i>Anopheles sinensis</i> | Hexapoda | Diptera | Culicidae |
| GAAK01006945 | Aqp 12L | Antarctic flightless midge | <i>Belgica antarctica</i> | Hexapoda | Diptera | Chironomidae |
| AEGA01009001/AEGA01031906 | Aqp 12L | Hessian fly | <i>Mayetiola destructor</i> | Hexapoda | Diptera | Cecidomyiidae |
| JP551754 | Aqp 12L | Sand fly | <i>Phlebotomus papatasi</i> | Hexapoda | Diptera | Psychodidae |
| AM094572/AM094570 | Aqp 12L | Sand fly | <i>Lutzomyia longipalpis</i> | Hexapoda | Diptera | Psychodidae |
| HX266982 | Aqp 12L | Domestic silkworm | <i>Bombyx mori</i> | Hexapoda | Lepidoptera | Bombycidae |
| CAEZ01010288 | Aqp 12L | Postman butterfly | <i>Heliconius melpomene melpomene</i> | Hexapoda | Lepidoptera | Nymphalidae |
| EHJ69710 | Aqp 12L | Monarch butterfly | <i>Danaus plexippus</i> | Hexapoda | Lepidoptera | Nymphalidae |
| GAFU01002466 | Aqp 12L | Beet armyworm | <i>Spodoptera exigua</i> | Hexapoda | Lepidoptera | Noctuidae |
| GT199640/GT196938 | Aqp 12L | Tobacco budworm | <i>Heliothis virescens</i> | Hexapoda | Lepidoptera | Noctuidae |
| HS099242 | Aqp 12L | Maruca pod borer | <i>Maruca vitrata</i> | Hexapoda | Lepidoptera | Crambidae |
| JP615554/JP615553 | Aqp 12L | Propertius duskywing | <i>Erynnis propertius</i> | Hexapoda | Lepidoptera | Hesperiidae |
| AIXA01009041 | Aqp 12L | Tobacco hornworm | <i>Manduca sexta</i> | Hexapoda | Lepidoptera | Sphingidae |
| HS099242 | Aqp 12L | Maruca pod borer | <i>Maruca vitrata</i> | Hexapoda | Lepidoptera | Crambidae |
| BAGR01006886/BAGR01078921/BAGR01078920 | Aqp 12L | Diamondback Moth | <i>Plutella xylostella</i> | Hexapoda | Lepidoptera | Plutellidae |
| GAXW01087864 | Aqp 12L | Antlion | <i>Euroleon nostras</i> | Hexapoda | Neoptera | Myrmeleontidae |
| GAVV01020125 | Aqp 12L | Green lacewing | <i>Pseudomallada prasinus</i> | Hexapoda | Neoptera | Chrysopidae |
| XP_974208 | Aqp 12L | Red flour Beetle | <i>Tribolium castaneum</i> | Hexapoda | Coleoptera | Tenebrionidae |
| AQHT01000891/AQHT01000892 | Aqp 12L | Asian longhorned beetle | <i>Anoplophora glabripennis</i> | Hexapoda | Coleoptera | Cerambycidae |
| GAFI01011142 | Aqp 12L | Southern pine beetle | <i>Dendroctonus frontalis</i> | Hexapoda | Coleoptera | Curculionidae |
| APGL01029398 | Aqp 12L | Mountain pine beetle | <i>Dendroctonus ponderosae</i> | Hexapoda | Coleoptera | Curculionidae |
| JR469890 | Aqp 12L | Red palm weevil | <i>Rhynchophorus ferrugineus</i> | Hexapoda | Coleoptera | Curculionidae |
| GAE001001684 | Aqp 12L | White pine weevil | <i>Pissodes strobi</i> | Hexapoda | Coleoptera | Curculionidae |
| AGRHO1000202 | Aqp 12L | Reticulated beetle | <i>Priacma serrata</i> | Hexapoda | Coleoptera | Cupedidae |
| XP_003393649 | Aqp 12L | Buff-tailed bumblebee | <i>Bombus terrestris</i> | Hexapoda | Hymenoptera | Apidae |
| XP_003490105 | Aqp 12L | Common eastern bumble bee | <i>Bombus impatiens</i> | Hexapoda | Hymenoptera | Apidae |
| XP_001119893 | Aqp 12L | Honey bee | <i>Apis mellifera</i> | Hexapoda | Hymenoptera | Apidae |
| ANOB01024207 | Aqp 12L | Halictid Bee | <i>Lasioglossum albipes</i> | Hexapoda | Hymenoptera | Halictidae |
| GAGH01010151 | Aqp 12L | Mason bee | <i>Osmia cornuta</i> | Hexapoda | Hymenoptera | Megachilidae |
| AFJA01002269 | Aqp 12L | Alfalfa leafcutting bee | <i>Megachile rotundata</i> | Hexapoda | Hymenoptera | Megachilidae |

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|--|-------------|-------------------------------------|---|----------------|--------------------|---------------------|
| EFN85024 | Aqp 12L | Jerdon's jumping ant | <i>Harpegnathos saltator</i> | Hexapoda | Hymenoptera | Formicidae |
| EFN70241 | Aqp 12L | Florida carpenter ant | <i>Camponotus floridanus</i> | Hexapoda | Hymenoptera | Formicidae |
| ADTU01018182 | Aqp 12L | Leafcutter ant | <i>Atta cephalotes</i> | Hexapoda | Hymenoptera | Formicidae |
| EGIS7993 | Aqp 12L | Panamanian leafcutter ant | <i>Acromyrmex echinatior</i> | Hexapoda | Hymenoptera | Formicidae |
| FQ836707/FQ840903 | Aqp 12L | Parasitoid wasp | <i>Asobara tabida</i> | Hexapoda | Hymenoptera | Braconidae |
| AOFNO1007317 | Aqp 12L | Coleseed sawfly | <i>Athalia rosae</i> | Hexapoda | Hymenoptera | Tenthredinidae |
| PHUM127940 | Aqp 12L | Human body louse | <i>Pediculus humanus corporis</i> | Hexapoda | Phthiraptera | Pediculidae |
| ACPB02038779/ACPB02002207 | Aqp 12L | Assassin bug | <i>Rhodnius prolixus</i> | Hexapoda | Hemiptera | Reduviidae |
| KF048101 | Aqp 12L | Lygus bug | <i>Lygus hesperus</i> | Hexapoda | Hemiptera | Miridae |
| EZ940769/HP803079 | Aqp 12L | Sweet potato whitefly | <i>Bemisia tabaci</i> | Hexapoda | Hemiptera | Aleyrodidae |
| HS430594 | Aqp 12L | Brown planthopper | <i>Nilaparvata lugens</i> | Hexapoda | Hemiptera | Delphacidae |
| GAGF01017370 | Aqp 12L | Green lacewing | <i>Chrysopa pallens</i> | Hexapoda | Neoptera | Chrysopidae |
| FG130040 | Aqp 12L | American cockroach | <i>Periplaneta americana</i> | Hexapoda | Blattodea | Blattidae |
| GBID01003279 | Aqp 12L | German cockroach | <i>Blattella germanica</i> | Hexapoda | Blattodea | Ectobiidae |
| AUST01032598/AUST01032597 | Aqp 12L | Nevada dampwood termite | <i>Zootermopsis nevadensis</i> | Hexapoda | Isoptera | Termitidae |
| FX376324 | Aqp 12L | Wood-eating higher termite | <i>Nasutitermes takasagoensis</i> | Hexapoda | Isoptera | Termitidae |
| GABA01001239 | Aqp 12L | Zoraptid | <i>Zorotypus gurneyi</i> | Hexapoda | Zoraptera | Zorotypidae |
| GAWEO1136841/GAWEO1162972/GAWEO1022485 | Aqp 12L | Vietnamese walking stick insect | <i>Ramulus artemis</i> | Hexapoda | Phasmatodea | Phasmatidae |
| GAIZ01025748 | Aqp 12L | Sand field cricket | <i>Gryllus firmus</i> | Hexapoda | Orthoptera | Gryllidae |
| EH632839 | Aqp 12L | Hawaiian swordtail cricket | <i>Laupala kohalensis</i> | Hexapoda | Orthoptera | Gryllidae |
| CO854318/CO854607 | Aqp 12L | Migratory locust | <i>Locusta migratoria</i> | Hexapoda | Orthoptera | Acrididae |
| GAEQ01010065 | Aqp 12L | Hagen's bluet | <i>Enallagma hageni</i> | Hexapoda | Odonata | Coenagrionidae |
| APVNO1144267 | Aqp 12L | Scarce chaser | <i>Ladona fulva</i> | Hexapoda | Odonata | Libellulidae |
| AYNC01076740 | Aqp 12L | Green drake | <i>Ephemera danica</i> | Hexapoda | Ephemeroptera | Ephemeridae |
| GAMMO1011672 | Aqp 12L | Springtail | <i>Ephemerella cincta</i> | Hexapoda | Collembola | Entomobryidae |
| GAMNO1009381 | Aqp 12L | Springtail | <i>Folsomia candida</i> | Hexapoda | Collembola | Isotomidae |
| AFFK01022088 | Aqp 12L | Coastal European centipede | <i>Strigamia maritima</i> | Chilopoda | Geophilomorpha | Linotaeniidae |
| JR223268 | Aqp 12L | Black tiger shrimp | <i>Penaeus monodon</i> | Malacostraca | Decapoda | Penaedidae |
| JP419814/JP406388 | Aqp 12L | Pacific white shrimp | <i>Litopenaeus vannamei</i> | Malacostraca | Decapoda | Penaedidae |
| EX568605 | Aqp 12L | American lobster | <i>Homarus americanus</i> | Malacostraca | Decapoda | Nephropidae |
| FE773872 | Aqp 12L | Flat porcelain crab | <i>Petrolisthes cinctipes</i> | Malacostraca | Decapoda | Porcellanidae |
| DN634964 | Aqp 12L | Green shore Crab | <i>Carcinus maenas</i> | Malacostraca | Decapoda | Carcinidae |
| GAKD01002926 | Aqp 12L | Amphipod | <i>Melita plumulosa</i> | Malacostraca | Amphipoda | Melitidae |
| ES505590 | Aqp 12L | Brine Shrimp | <i>Artemia franciscana</i> | Branchiopoda | Arthropoda | Artemiidae |
| EFX67799 | Aqp 12L | Common water flea | <i>Daphnia pulex</i> | Branchiopoda | Diplostraca | Daphniidae |
| ACO11400 | Aqp 12L | Caligid copepod | <i>Caligus rogercresseyi</i> | Maxillopoda | Siphonostomatoida | Caligidae |
| ACO14967 | Aqp 12L | Caligid copepod | <i>Caligus clemensi</i> | Maxillopoda | Siphonostomatoida | Caligidae |
| KR005665 | Aqp 12L1 | Salmon louse | <i>Lepeophtheirus salmonis</i> | Maxillopoda | Siphonostomatoida | Caligidae |
| KR005666 | Aqp 12L2 | Salmon louse | <i>Lepeophtheirus salmonis</i> | Maxillopoda | Siphonostomatoida | Caligidae |
| GO412603 | Aqp 12L | Cod worm | <i>Lernaeocera branchialis</i> | Maxillopoda | Siphonostomatoida | Pennellidae |
| EH666294 | Aqp 12L | Calanus | <i>Calanus finmarchicus</i> | Maxillopoda | Calanoida | Calanidae |
| XP_002416580 | Aqp 12L | Blacklegged tick | <i>Ixodes scapularis</i> | Acari | Ixodida | Ixodidae |
| ADDG01005800 | Aqp 12L | Honeybee mite | <i>Varroa destructor</i> | Acari | Mesostigmata | Varroidae |
| XP_003740565 | Aqp 12L | Western predatory mite | <i>Metaseiulus occidentalis</i> | Acari | Mesostigmata | Phytoseiidae |
| JR698214 | Aqp 12L | Two-spotted spider mite | <i>Tetranychus urticae</i> | Acari | Acariformes | Tetranychidae |
| GANL01000406 | Aqp 12L | Black widow | <i>Latrodectus tredecimguttatus</i> | Arachnida | Araneae | Theridiidae |
| GBCS01016346 | Aqp 12L | Western black widow | <i>Latrodectus hesperus</i> | Arachnida | Araneae | Theridiidae |
| AOMJ01188201/AOMJ01188200/AOMJ01188199 | Aqp 12L | Common house spider | <i>Parasteatoda tepidariorum</i> | Arachnida | Araneae | Theridiidae |
| JT033535 | Aqp 12L | Subsocial spider | <i>Stegodyphus lineatus</i> | Arachnida | Araneae | Theridiidae |
| EY189672 | Aqp 12L | Spider | <i>Loxosceles laeta</i> | Arachnida | Araneae | Sicariidae |
| GAZS01072938 | Aqp 12L | Brazilian giant whiteknee tarantula | <i>Acanthoscurria geniculata</i> | Arachnida | Araneae | Theraphosidae |
| AYEL01083560 | Aqp 12L | Chinese scorpion | <i>Mesobuthus martensii</i> | Arachnida | Scorpiones | Buthidae |
| AXZI01164565/AXZI01164567 | Aqp 12L | Baja California bark scorpion | <i>Centruroides exilicauda</i> | Arachnida | Scorpiones | Buthidae |
| AEP14565 | Aqp 12L(11) | Water bear | <i>Milnesium tardigradum</i> | Tardigrada | Apochela | Milnesiidae |
| Bacteria AqpZ | | | | | | |
| AAC43518/EBESCP00000004569 | Aqp Z | Bacteria | <i>Escherichia coli</i> | Proteobacteria | Enterobacteriales | Enterobacteriaceae |
| WP_005067324/EBESCP000000088383 | Aqp Z | Bacteria | <i>Shigella flexneri</i> | Proteobacteria | Enterobacteriales | Enterobacteriaceae |
| YP_038558/EBBACP000000072619 | Aqp Z | Bacteria | <i>Bacillus thuringiensis</i> | Firmicutes | Bacillales | Bacillaceae |
| YP_002340560/EBBACP000000092199 | Aqp Z | Bacteria | <i>Bacillus cereus</i> | Firmicutes | Bacillales | Bacillaceae |
| NP_359196/EBSTRP000000015353 | Aqp Z | Bacteria | <i>Streptococcus pneumoniae</i> | Firmicutes | Lactobacillales | Streptococcaceae |
| Bacteria GlpF | | | | | | |
| NP_290556/EBESCP000000004421 | Glp F | Bacteria | <i>Escherichia coli</i> | Proteobacteria | Enterobacteriales | Enterobacteriaceae |
| WP_000084271/EBESCP000000089272 | Glp F | Bacteria | <i>Shigella flexneri</i> | Proteobacteria | Enterobacteriales | Enterobacteriaceae |
| YP_405253/EBESCP000000079777 | Glp F | Bacteria | <i>Shigella dysenteriae</i> | Proteobacteria | Enterobacteriales | Enterobacteriaceae |
| YP_003615521 | Glp F | Bacteria | <i>Enterobacter cloacae subsp.</i> | Proteobacteria | Enterobacteriales | Enterobacteriaceae |
| WP_010299311 | Glp F | Bacteria | <i>Pectobacterium carotovorum</i> | Proteobacteria | Enterobacteriales | Enterobacteriaceae |
| NP_977447/EBBACP000000096005 | Glp F | Bacteria | <i>Bacillus cereus</i> | Firmicutes | Bacillales | Bacillaceae |
| YP_035285/EBBACP000000073529 | Glp F | Bacteria | <i>Bacillus thuringiensis</i> | Firmicutes | Bacillales | Bacillaceae |
| NP_388809/EBBACP00000003509 | Glp F | Bacteria | <i>Bacillus subtilis subsp.</i> | Firmicutes | Bacillales | Bacillaceae |
| NP_359579/EBSTRP000000014534 | Glp F3 | Bacteria | <i>Streptococcus pneumoniae</i> | Firmicutes | Lactobacillales | Streptococcaceae |
| Hexapod bacteroid (endosymbiont) GlpF | | | | | | |
| XM_004532995 | Glp F | Mediterranean fruit fly | <i>Ceratitis capitata</i> | Hexapoda | Diptera | Tephritidae |
| ACPB02009318 | Glp F | Assassin bug | <i>Rhodnius prolixus</i> | Hexapoda | Hemiptera | Reduviidae |
| Archaea AqpM | | | | | | |
| AB055880 | Aqp M | Archaea | <i>Methanothermobacter thermautotrophicus</i> | Euryarchaeota | Methanobacteriales | Methanobacteriaceae |
| NP_988083 | Aqp M | Archaea | <i>Methanococcus marisaludis</i> | Euryarchaeota | Methanococcales | Methanococcaceae |
| YP_003435795 | Aqp M | Archaea | <i>Ferroglobus placidus</i> | Euryarchaeota | Archaeoglobales | Archaeoglobaceae |
| YP_843562 | Aqp M | Archaea | <i>Methanosaeta thermophila</i> | Euryarchaeota | Methanosarcinales | Methanosaeetaceae |
| YP_305556 | Aqp M | Archaea | <i>Methanosarcina barkeri</i> | Euryarchaeota | Methanosarcinales | Methanosarcinaceae |