

Appendix 2. Sources of figures and photographs for species used in phylogenetic trees.

Abidama producta (*Abidama ornata* used instead)

COOL – Cercopoidea Organised On Line 2014: *Abidama ornata*

[URL: <http://hemiptera-databases.org/cool/database.php?db=cool&lang=en&card=species&id=450>

(accessed: 01.04.2014)].

Agriosphodrus dohrni

Li H., Gao J., Liu H., Liu H., Liang A., Zhou X., Cai W. 2011. The architecture and complete sequence of mitochondrial genome of an assassin bug *Agriosphodrus dohrni* (Hemiptera: Reduviidae). *Int. J. Biol. Sci.*, 7(6): 792-804.

Aradacanthia heissi

Shi A., Li H., Bai X., Dai X., Chang J., Guilbert E., Cai W. 2012. The complete mitochondrial genome of the flat bug *Aradacanthia heissi* (Hemiptera: Aradidae). *Zootaxa*, 3238: 23-38.

Aquarius paludum

Naris 2014: *Aquarius paludum*

[URL: http://www.naris.go.kr/v2/naris_search/search_result_detail.jsp?inst_id=1039887

(accessed: 20.03.2014)].

Callitettix versicolor

Thailand Wildlife 2014: *Callitettix versicolor*

[URL: <http://thailandwildlife.photoshelter.com/image/I0000a4Ka8PX8eFM>

(accessed: 08.03.2014)].

Chauliops fallax

Li T., Gao C., Cui Y., Xie Q., Bu W. 2013. The complete mitochondrial genome of the stalk-eyed bug *Chauliops fallax* Scott, and the monophyly of Malcidae (Hemiptera: Heteroptera). *PLoS ONE*, 8(2): e55381.

Coptosoma bifaria

Baidu 2014: *Coptosoma bifaria* [URL: <http://tieba.baidu.com/p/1390363177>

(accessed: 23.04.2014)].

Dolycoris baccarum

Virtual Fauna of Lakeland 2014: *Dolycoris baccarum* [URL: <http://www.lakelandwildlife.co.uk/template.asp?SpeciesName=Dolycoris%20baccarum&PageID=pic1> (accessed: 19.02.2014)].

Dysdercus cingulatus

CSIRO 2014: *Dysdercus cingulatus*
[URL: http://www.ces.csiro.au/aicn/system/c_1866.htm (accessed: 23.04.2014)].

***Enithares tibialis* (*Enithares indica* used instead)**

Distant W.L. 1916. Rhynchota, Heteroptera: Notonectidae. *Enithares indica*. s. 42.
[W:] Distant W.L. The fauna of British India, including Ceylon and Burma. Secretary of State for India in Council, Londyn, 518 ss.

Eusthenes cupreus

Song W., Li H., Song F., Liu L., Wang P., Hun H., Dai X., Chang J., Cai W. 2013. The complete mitochondrial genome of a tessaratomid bug, *Eusthenes cupreus* (Hemiptera: Heteroptera: Pentatomomorpha: Tessaratomidae). *Zootaxa*, 3620: 260-272.

Geisha distinctissima

Andrew 2014: *Geisha distinctissima*
[URL: <http://www.flickr.com/photos/29954808@N00/7594830046> (accessed: 19.03.2014)].

Gorpis annulatus*, *Gorpis humeralis*, *Himacerus apterus*, *Himacerus nodipes*, *Nabis apicalis

Li H., Liu H., Song F., Shi A., Zhou X., Cai W. 2012. Comparative mitogenomic analysis of damsel bugs representing three tribes in the family Nabidae (Insecta: Hemiptera). *PLoS ONE*, 7(9): e45925.

Hackeriella veitchi

Burrows M., Hartung V., Hoch H. 2007. Jumping behavior in a Gondwanan relict insect (Hemiptera: Coleorrhyncha: Peloridiidae). *J Exp Biol*, 210: 3311-3318.

Hydaropsis longirostris

Coreoidea Species File 2014: *Hydaropsis longirostris* [URL:

<http://coreoidea.speciesfile.org/Common/basic/ShowImage.aspx?TaxonNameID=1187099&ImageID=179280>

(accessed: 23.04.2014)].

Ilyocoris cimicoides

British insects: the families of Hemiptera (Watson L., Dallwitz M.J.) 2014: *Ilyocoris cimicoides*

[URL: <http://delta-intkey.com/britin/hem/www/naucocor.htm>

(accessed: 19.03.2014)].

Laccotrephes robustus

Swedish Museum of Natural History 2014: *Laccotrephes robustus*

[URL: http://www2.nrm.se/en/het_nrm/r/laccotrephes_robustus.html

(accessed: 19.02.2014)].

Laodelphax striatella

Zhang K., Zhu W., Rong X., Zhang Y., Ding X., Liu J., Chen D., Du Y., Hong X. 2013. The complete mitochondrial genomes of two rice planthoppers, *Nilaparvata lugens* and *Laodelphax striatellus*: conserved genome rearrangement in Delphacidae and discovery of new characteristics of atp8 and tRNA genes. BMC Genomics, 14: 417.

Laternaria candelaria

Wikimedia Commons 2014: *Laternaria candelaria*

[URL: http://commons.wikimedia.org/wiki/File:Laternaria_candelaria_1.jpg

(accessed: 19.02.2014)].

Lycorma delicatula

Orlyfotos 2014: *Lycorma delicatula* [URL: <http://www.fotocommunity.es/pc/pc/display/28618780>

(accessed: 19.02.2014)].

Lygus lineolaris

Plants and Insects of Goodwell and Texhoma Texas County, Oklahoma (Kurt Schaefer) 2014: *Lygus lineolaris*

[URL: <http://www.opsu.edu/Academics/SciMathNurs/NaturalScience/PlantsInsectsOfGoodwell/heteroptera/miridae/plant23.html>]

(accessed: 05.01.2014)].

Megacopta cribraria

Agriknowledge 2014: *Megacopta cribraria*

[URL: http://agriknowledge.com/pest-management/top-invasive-insects-in-the-usa/attachment/kudzu-bug-or-bean-plataspid-megacopta-cribraria_stan-gilliam]

(accessed: 12.05.2014)].

Nesidiocoris tenuis

AGROLOGICA 2014: *Nesidiocoris tenuis*

[URL: <http://www.agrologica.es/informacion-plaga/chinche-depredador-nesidiocoris-tenuis/>]

(accessed: 05.01.2014)].

***Neuroctenus parus* (*Neuroctenus* sp. used instead)**

BugGuide 2014: *Neuroctenus* sp.

[URL: <http://bugguide.net/node/view/427739>]

(accessed: 23.04.2014)].

Nezara viridula

AGROLOGICA 2014: Zdjęcie gatunku *Nezara viridula*

[URL: <http://www.agrologica.es/informacion-plaga/chinche-depredador-nesidiocoris-tenuis/>]

(accessed: 19.02.2014)].

Nilaparvata lugens

Zhang K., Zhu W., Rong X., Zhang Y., Ding X., Liu J., Chen D., Du Y., Hong X. 2013. The complete mitochondrial genomes of two rice planthoppers, *Nilaparvata lugens* and *Laodelphax striatellus*: conserved genome rearrangement in Delphacidae and discovery of new characteristics of atp8 and tRNA genes. BMC Genomics, 14: 417.

***Paphnutius ruficeps* (*Paphnutius ostentus* used instead)**

Distant W.L. 1916. Rhynchota, Homoptera: Appendix. *Paphnutius ostentus*. s. 200.
[W:] Distant W.L. The fauna of British India, including Ceylon and Burma. Secretary of State for India in Council, Londyn, 518 ss.

Paraplea frontalis (*Paraplea halei* used instead)

BOLD Systems 2014: *Paraplea halei*

[URL: http://www.boldsystems.org/index.php/Taxbrowser_Taxonpage?taxid=394852
(accessed: 26.03.2014)].

Philaenus spumarius

Matt Cole Photography 2014: *Philaenus spumarius*

[URL: <http://www.mattcolephotography.co.uk/Galleries/myn/slides/MYN%20Common%20Froghopper%20-%20Philaenus%20spumarius.html>
(accessed: 19.03.2014)].

Physopelta gutta

Mushiken 2014: *Physopelta gutta*

[URL: http://www.mushiken.com/v2/zukan/mk_kamemushi/oohoshikamemushi/oohoshikamemushi.html
(accessed: 18.04.2014)].

Psococerastis albimaculata

Li H., Shao R., Song F., Zhou X., Yang Q., Li Z., Cai W. 2013. Mitochondrial genomes of two barklice, *Psococerastis albimaculata* and *Longivalvus hyalospilus* (Psocoptera: Psocomorpha): contrasting rates in mitochondrial gene rearrangement between major lineages of Psocodea. PLoS ONE, 8(4): e61685.

Ricania marginalis

Rock Jin 2014: *Ricania marginalis*

[URL: <https://plus.google.com/photos/101227904925636723046/albums/5215289761657940161/5242444567930029954?pid=5242444567930029954&oid=101227904925636723046>
(accessed: 19.02.2014)].

Riptortus pedestris

Joe Botting 2014: *Riptortus pedestris*

[URL: <https://www.flickr.com/photos/77849983@N00/830339155/>
(accessed: 29.03.2014)].

Saldula arsenjevi (*Saldula arenicola* used instead)

Heteroptera of Slovenia 2014: *Saldula arenicola*

[URL: <http://www2.pms-lj.si/heteroptera/salare.htm> (accessed: 25.04.2014)].

Sirthenea flavipes

Gao J., Li H., Truong X.L., Dai X., Chang J., Cai W. Complete nucleotide sequence and organization of the mitochondrial genome of *Sirthenea flavipes* (Hemiptera: Reduviidae: Peiratinae) and comparison with other assassin bugs. *Zootaxa*, 3669: 001-016.

Sivaloka damnosus (*Sivaloka limacodes* used instead)

Distant W.L. 1916. Rhynchota, Homoptera: Fulgoridae. *Sivaloka limacodes*. s. 352.
[W:] Distant W.L. The fauna of British India, including Ceylon and Burma. Secretary of State for India in Council, Londyn, 518 ss.

Sogatella furcifera

National Bureau of Agriculturally Important Insects 2014: *Sogatella furcifera*

[URL: <http://www.nbaii.res.in/insectpests/Sogatella-furcifera.php>

(accessed: 19.03.2014)].

***Stenopirates* sp.**

Li H., Liu H., Shi A., Štys P., Zhou X., Cai W. 2012. The complete mitochondrial genome and novel gene arrangement of the unique-headed bug *Stenopirates* sp. (Hemiptera: Enicocephalidae). *PLoS ONE*, 7(1): e29419.

Stictopleurus subviridis (*Stictopleurus punctiventris* used instead)

BugGuide 2014: *Stictopleurus punctiventris*

[URL: <http://bugguide.net/node/view/864585>

(accessed: 23.04.2014)].

Triatoma dimidiata

The Assassin Bug 2014: *Triatoma dimidiata*

[URL: <http://theassassinbug.com/tag/triatoma-dimidiata/>

(accessed: 11.02.2014)].

Urochela quadrinotata

Dai Y., Li H., Pei J., Song F., Ye Z., Yuan X., Dai X., Chang J., Cai W. 2012. Sequence and organization of the mitochondrial genome of an urostylidid bug, *Urochela quadrinotata* Reuter (Hemiptera: Urostylididae). *Entomotaxonomia*, 34(4): 613-623.

Valentia hoffmanni

Itchydogimages (John Horstman) 2014: *Valentia hofmmanni*

[URL: <http://www.flickr.com/photos/itchydogimages/8752663218/>

(accessed: 16.03.2014)].

Yemmalysus parallelus

HK Wildlife 2014: *Yemmalysus parallelus*

[URL: <http://www.hkwildlife.net/viewthread.php?tid=64630>

(accessed: 23.04.2014)].