

Supplementary Table 1

Image credits

Figure 6

Image	Source	Licensing	Author(s)	Use conditions
<i>Megacrania batesii</i>	https://commons.wikimedia.org/wiki/File:Mega	Attribution-ShareAlike 3.0 Unported	Sarefo (wikimedia commons username)	cropped and background removed
<i>Graeffea crouanii</i>	https://commons.wikimedia.org/wiki/File:Cocor	Attribution-ShareAlike 3.0 Unported	Tau'olunga (wikimedia commons username)	cropped and background removed
<i>Periplaneta americana</i>	https://commons.wikimedia.org/wiki/File:Amer	Attribution-ShareAlike 3.0 Unported	Gary Alpert	cropped and background removed
<i>Nasutitermes corniger</i>	https://commons.wikimedia.org/wiki/File:Termi	Attribution-ShareAlike 2.0 Generic	Bernard DuPont	cropped and background removed
<i>Frankliniella occidentalis</i>	https://commons.wikimedia.org/wiki/File:Thrip	Attribution 3.0 Unported (CC BY)	Alton N. Sparks, Jr.	cropped and background removed
<i>Gynaikothrips uzeli</i>	https://ucanr.edu/blogs/blogcore/postdetail.cfm?postnum=13227		Gevork Arakelian, Senior Biologist, Los Angeles County	cropped and background removed
<i>Aspidiotus nerii</i>	https://commons.wikimedia.org/wiki/File:Aspid	Public domain (Australia)	Unknown	cropped and background removed
<i>Murgantia histrionica</i>	from Rebholz et al., 2023, Insect Biochem. Mol. Biol., 152, 103879.			cropped and background removed
<i>Solenopsis invicta</i>	https://commons.wikimedia.org/wiki/File:Fire_	Public domain	Stephen Ausmus	cropped and background removed
<i>Bombus terrestris</i>	https://commons.wikimedia.org/wiki/File:Bomb	Public domain	Marco Almbauer	cropped and background removed
<i>Harmonia axyridis</i>	https://commons.wikimedia.org/wiki/File:Harm	Public domain	Francisco Welter-Schultes	cropped and background removed
<i>Phaedon cochleariae</i>	https://www.eurekalert.org/multimedia/585961		Dr. Sindy Frick, MPI for Chemical Ecology	cropped and background removed
<i>Papilio polytes</i>	https://commons.wikimedia.org/wiki/File:Comn	Attribution-ShareAlike 4.0 International	Dr. Raju Kasambe	cropped and background removed
<i>Heliconia melpomene</i>	https://commons.wikimedia.org/wiki/File:Postman-butterfly.jpg		Hauil Ared	cropped and background removed
<i>Ceratitis capitata</i>	https://commons.wikimedia.org/wiki/File:Medit	Attribution 2.0 Generic (CC BY)	Katja Schulz	cropped and background removed
<i>Lutzomyia longipalpis</i>	https://commons.wikimedia.org/wiki/File:Lutzo	Attribution 2.5 Generic (CC BY)	Ray Wilson	cropped and background removed

Figure 8/Graphical abstract

Image	Source	Licensing	Author(s)	Modifications
Octocoral	https://freesvg.org/coral2	Public Domain		cropped and background removed
Mantellid frog	https://commons.wikimedia.org/wiki/File:Golde	Attribution 2.0 Generic (CC BY)	photographed by Frank Vassen	cropped and background removed
Alligator	https://www.publicdomainpictures.net/en/view	Public Domain	photographed by John Thorne	cropped and background removed
Springbok	https://commons.wikimedia.org/wiki/File:The_t	Public Domain	photographed by Philip Sclater	cropped and background removed
Sea hare	https://commons.wikimedia.org/wiki/File:2022	Creative Commons Attribution	Database Center for Life Science (DBCLS)	cropped and background removed
Dust mite	https://freesvg.org/yellow-mite-tydeidae-lorryie	Public Domain	Photo by Eric Erbe; digital colorization by Chris Pooley.	cropped and background removed
Millipede	https://commons.wikimedia.org/wiki/File:Octog	Creative Commons Attribution	photographed by Marshal Hedin	cropped and background removed
Harlequin bug	from Rebholz et al., 2023, Insect Biochem. Mol. Biol., 152, 103879.			cropped and background removed

Figure 9

<i>Acyrtosiphon pisum</i>	https://bugguide.net/node/view/1195272		photographed by Salvador Vitanza, Entomologist (used with permission)	cropped and background removed
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Figure 10

<i>Ips pini</i>	https://www.insectimages.org/browse/detail.cfm	https://creativecommons.org/licenses/by/4.0/	Natasha Wright, Braman Termite & Pest Elimination, Bugwood.org	cropped and background removed
<i>Phyllotreta striolata</i>	https://bugguide.net/node/view/1113466	https://creativecommons.org/licenses/by/4.0/	photographed by Mike Quinn, TexasEnto.net	cropped and background removed

Figure 12 and 13

<i>Halyomorpha halys</i>	from Rebholz et al., 2023, Insect Biochem. Mol. Biol., 152, 103879.
<i>Murgantia histrionica</i>	from Rebholz et al., 2023, Insect Biochem. Mol. Biol., 152, 103879.
<i>Nezara viridula</i>	from Rebholz et al., 2023, Insect Biochem. Mol. Biol., 152, 103879.

Figure 14

<i>Phenacoccus solenopsis</i>	https://www.forestryimages.org/browse/detail.cfm	https://creativecommons.org/licenses/by/4.0/	United States National Collection of Scale Insects Photographs, USDA Agricultural Research Service	cropped and background removed
<i>Boisea trivittata</i>	https://www.forestryimages.org/browse/detail.cfm	https://creativecommons.org/licenses/by/4.0/	photographed by Joseph Berger, Bugwood.org	cropped and background removed
<i>Sehirus cinctus</i>	https://commons.wikimedia.org/wiki/File:Sehir	Public Domain	photographed by Kaldari	cropped and background removed
<i>Padisus maculiventris</i>	https://www.forestryimages.org/browse/detail.cfm	https://creativecommons.org/licenses/by/4.0/	Rebekah D. Wallace, University of Georgia, Bugwood.org	cropped and background removed