

Publication	Access	Molecular markers	Tax coverage with molecular information	Valid species included
Amalin <i>et al.</i> 1988	Paper copy	karyotype	<i>Dirhinus</i> (1 sp.)	<i>Dihinus himalayanus</i>
Ashfaq <i>et al.</i> 2022	https://doi.org/10.7717/peerj.13267	COI-5P	Chalcididae (86 spp.), <i>Epitranus</i> (1 sp.)	
Bukowsky <i>et al.</i> 2022	https://doi.org/10.1371/journal.pone.0267390	COI-5P	Chalcididae (8 spp.)	
Campbell <i>et al.</i> 2000	https://www.researchgate.net/publication/229072053_Molecular_systematics_of_the_Chalcidoidea_using_28S-D2_rDNA	28S-D2	<i>Acanthochalcis</i> (1 sp.), <i>Brachymeria</i> (2 sp.), <i>Conura</i> (3 sp.), <i>Dirhinus</i> (1 sp.), <i>Hockeria</i> (1 sp.), <i>Psilochalcis</i> (1 sp.), <i>Schwarzella</i> (2 sp.),	
Cancian de Araujo <i>et al.</i> 2018 (a)	https://doi.org/10.3897/BDJ.6.e25237	COI-5P	Haltichellinae (1 sp.)	
Cancian de Araujo <i>et al.</i> 2018 (b)	https://doi.org/10.3897/BDJ.6.e29927	COI-5P	Haltichellinae (1 sp.), <i>Brachymeria</i> (1 sp.), <i>Epitranus</i> (1 sp.)	
Cancian de Araujo <i>et al.</i> 2019	https://doi.org/10.3897/BDJ.7.e35907	COI-5P	<i>Brachymeria</i> (8 sp.), <i>Ceyxia</i> (1 sp.), <i>Conura</i> (77 sp.), <i>Dirhinus</i> (7 sp.), <i>Haltichella</i> (2 sp.), <i>Melanosmicra</i> (8 sp.), <i>Notaspidium</i> (10 sp.), <i>Stypiura</i> (5 sp.)	<i>Brachymeria pandora</i> , <i>Conura amoena</i> , <i>Conura bidentata</i> , <i>Conura comescens</i> , <i>Conura chapadae</i> , <i>Conura dares</i> , <i>Conura debilis</i> , <i>Conura dorsimaculata</i> , <i>Conura femorata</i> , <i>Conura ferruginea</i> , <i>Conura immaculata</i> , <i>Conura mourei</i> , <i>Conura nigrifrons</i> , <i>Conura pygmaea</i> , <i>Conura vesicula</i> , <i>Dirhinus buscki</i> , <i>Dirhinus cameroni</i> , <i>Dirhinus kirbyi</i> , <i>Melanosmicra carenata</i> , <i>Melanosmicra flavicollis</i> , <i>Melanosmicra immaculata</i> , <i>Melanosmicra nigra</i> , <i>Melanosmicra rugosa</i> , <i>Melanosmicra tricolor</i> , <i>Notaspidium acutum</i> , <i>Notaspidium apantelis</i> , <i>Notaspidium boharti</i> , <i>Notaspidium brazilensis</i> , <i>Notaspidium burdicki</i> , <i>Notaspidium minutum</i> , <i>Notaspidium truncatum</i> , <i>Stypiura batesii</i>
Carpenter <i>et al.</i> 1999	https://doi.org/10.1046/j.1463-6409.1999.00009.x	18S, 28S, COI	<i>Brachymeria</i> (1 sp.)	
Chen <i>et al.</i> 2004	https://doi.org/10.1016/S1055-7903(03)00282-3	28S, 18S, 16S, and COI	<i>Brachymeria</i> (1 sp.)	<i>Brachymeria lasus</i>
Cruaud <i>et al.</i> 2013	https://doi.org/10.1371/journal.pone.0079291	COI, CytB, EF-1 α , ITS2, RpL27A, mago nashi.	<i>Haltichella</i> (1 sp.)	<i>Haltichella rufipes</i>

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Cruaud et al. 2021	https://doi.org/10.1111/cla.12416	UCEs	<i>Acrocentrus</i> (1 sp.), <i>Allochalcis</i> (2 sp.), <i>i</i> (2 sp.), <i>Antrocephalus</i> (3 sp.), <i>Aphasganophora</i> (1 sp.), <i>Aplorhinus</i> (1 sp.), <i>Aspirrhina</i> (2 sp.), <i>Belaspidia</i> (1 sp.), <i>Brachymeria</i> (3 sp.), <i>Bucekia</i> (1 sp.), <i>Chalcis</i> (3 sp.), <i>Conura</i> (9 sp.), <i>Cratocentrus</i> (2 sp.), <i>Dirhinus</i> (3 sp.), <i>Eniacomorpha</i> (1 sp.), <i>Epitranus</i> (4 sp.), <i>Eurycentrus</i> (1 sp.), <i>Haltichella</i> (3 sp.), <i>Hastius</i> (1 sp.), <i>Hockeria</i> (11 sp.), <i>Hontalia</i> (1 sp.), <i>Hybothorax</i> (2 sp.), <i>Indoinvrea</i> (1 sp.), <i>Invreia</i> (2 sp.), <i>Irichohalticella</i> (1 sp.), <i>Kopinata</i> (1 sp.), <i>Kriechbaumerella</i> (3 sp.), <i>Lasiochalcidia</i> (2 sp.), <i>Megachalcis</i> (1 sp.), <i>Melanosmicra</i> (2 sp.), <i>Nearretocera</i> (1 sp.), <i>Neochalcis</i> (1 sp.), <i>Neohybothorax</i> (2 sp.), <i>Neostomatoceras</i> (1 sp.), <i>Nipponochalcidia</i> (1 sp.), <i>Notaspidiella</i> (1 sp.), <i>Notaspidium</i> (1 sp.), <i>Oxycoryphe</i> (4 sp.), <i>Pareniaca</i> (2 sp.), <i>Parinvreia</i> (2 sp.), <i>Peltochalcidia</i> (3 sp.), <i>Pilismicra</i> (1 sp.), <i>Proconura</i> (3 sp.), <i>Pseudeniaca</i> (1 sp.), <i>Psilochalcis</i> (2 sp.), <i>Rhynchochalcis</i> (1 sp.), <i>Schwarzella</i> (1 sp.), <i>Smicromorpha</i> (1 sp.), <i>Solenochalcidia</i> (1 sp.), <i>Spatocentrus</i> (1 sp.), <i>Steinvreia</i> (2 sp.), <i>Stenochalcis</i> (1 sp.), <i>Stenosmicra</i> (1 sp.), <i>Stypiura</i> (2 sp.), <i>Tanycoryphus</i> (2 sp.), <i>Tanyotorthus</i> (1 sp.), <i>Trigonura</i> (2 sp.), <i>Tropimeris</i> (2 sp.), <i>Uga</i> (1 sp.), <i>Xenarretocera</i> (1 sp.), <i>Xyphorachidia</i> (1 sp.), <i>Youngaia</i> (1 sp.), <i>Zavoya</i> (1 sp.),	<i>Acrocentrus erythrothorace</i> , <i>Aphasganophora punica</i> , <i>Belaspidia nigra</i> , <i>Brachymeria tegularis</i> , <i>Chalcis myrifex</i> , <i>Chalcis vera</i> , <i>Conura acuta</i> , <i>Conura igneoides</i> , <i>Conura lauta</i> , <i>Conura maculipennis</i> , <i>Conura marcosensis</i> , <i>Conura napo</i> , <i>Conura nigrorufa</i> , <i>Dirhinus anthracia</i> , <i>Dirhinus himalayanus</i> , <i>Dirhinus ruficornis</i> , <i>Eniacomorpha hermetiae</i> , <i>Epitranus observator</i> , <i>Haltichella ornaticornis</i> , <i>Hockeria bifasciata</i> , <i>Hockeria mengenillarum</i> , <i>Hockeria singularis</i> , <i>Hybothorax graffii</i> , <i>Invreia subaenea</i> , <i>Invreia subarmata</i> , <i>Kopinata partirubra</i> , <i>Kriechbaumerella fumipennis</i> , <i>Lasiochalcidia dargelasii</i> , <i>Lasiochalcidia pubescens</i> , <i>Melanosmicra flavicollis</i> , <i>Neochalcis hippotoides</i> , <i>Neohybothorax festiva</i> , <i>Notaspidiella frater</i> , <i>Oxycoryphe acuta</i> , <i>Pilismicra longipes</i> , <i>Pseudeniaca schultessi</i> , <i>Psilochalcis immaculata</i> , <i>Rhynchochalcis niger</i> , <i>Schwarzella arizonensis</i> , <i>Smicromorpha doddi</i> , <i>Solenochalcidia insolita</i> , <i>Steinvreia edgari</i> , <i>Stenochalcis miltoni</i> , <i>Uga colliscutellum</i> , <i>Xenarretocera superba</i> , <i>Xyphorachidia dentata</i> , <i>Youngaia spinosa</i> , <i>Zavoya cooperi</i>
Cruaud et al. 2024	https://doi.org/10.1111/cla.12561	exon, UCEs	<i>Brachymeriinae</i> (2 sp.), <i>Chalcidinae</i> (4 sp.), <i>Cratocentrinae</i> (1 sp.), <i>Cratocentrinae</i> (1 sp.), <i>Dirhininae</i> (1 sp.), <i>Epitraninae</i> (2 sp.), <i>Haltichellinae</i> (6 sp.), <i>Phasgonophorinae</i> (2 sp.), <i>Smicromorphinae</i> (1 sp.)	<i>Brachymeria minuta</i> , <i>Chalcis mirifex</i> , <i>Chalcis sispes</i> , <i>Cratocentrus pruinosus</i> , <i>Epitranus observator</i> , <i>Haltichella rufipes</i> , <i>Invreia subaenea</i> , <i>Lasiochalcidia dargelasii</i> , <i>Neochalcis hippotoides</i> , <i>Smicromorpha doddi</i> , <i>Zavoya cooperi</i>
deWaard et al. 2019	https://doi.org/10.1038/s41597-019-0320-2	COI-5P	<i>Chalcididae</i> (18 spp.), <i>Brachymeria</i> (1 sp.), <i>Conura</i> (3 sp.)	<i>Conura albifrons</i> , <i>Conura torvina</i> , <i>Brachymeria tegularis</i> .
Dowton & Austin 2001	https://doi.org/10.1111/j.1095-8312.2001.tb01379.x	16S, 28S, COI	<i>Brachymeria</i> (1 sp.)	<i>Brachymeria phya</i>
Forbes & Funk 2013	https://doi.org/10.1603/AN12151	COI-5P	<i>Conura</i> (1 sp.)	<i>Conura albifrons</i>
Gillespie et al. 2005	https://doi.org/10.1093/molbev/msi152	28S	<i>Conura</i> (1 sp.)	<i>Conura delumbis</i>
Gokhman & Quicke 1995	https://www.nhm.ac.uk/resources/research-curation/projects/chalcidoids/pdf_X/GokhmaQu995.pdf	karyotype	<i>Brachymeira</i> (3 sp.), <i>Dihrinus</i> (1 sp.)	<i>Brachymeria intermedia</i> , <i>Brachymeria lasus</i> , <i>Brachymeria ovata</i> , <i>Dirhinus himalayanus</i>
Halim et al. 2018	https://doi.org/10.1016/j.aspen.2018.10.012	COI-5P	<i>Brachymeria</i> (2 sp.)	<i>Brachymeria carinata</i> , <i>Brachymeria femorata</i>
Hebert et al. 2016	http://dx.doi.org/10.1098/rstb.2015.0333	COI-5P	<i>Chalcididae</i> (11 spp.)	
Heraty et al. 2011	https://doi.org/10.1016/j.ympev.2011.04.003	18S, 28S, COI, EF-1α	<i>Acanthochalcis</i> (1 sp.)	<i>Acanthochalcis nigricans</i>

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Heraty et al. 2013	https://doi.org/10.1111/cla.12006	18S, 28S	<i>Acanthochalcis</i> (1 sp.), <i>Belaspidia</i> (1 sp.), <i>Brachymeria</i> (1 sp.), <i>Chalcis</i> (1 sp.), <i>Conura</i> (3 sp.), <i>Cratocentrus</i> (1 sp.), <i>Dirhinus</i> (2 sp.), <i>Epitranus</i> (2 sp.), <i>Haltichella</i> (1 sp.), <i>Hockeria</i> (1 sp.), <i>Irichohalticella</i> (1 sp.), <i>Lasiochalcidia</i> (1 sp.), <i>Melanosmicra</i> (1 sp.), <i>Neochalcis</i> (1 sp.), <i>Notaspidium</i> (1 sp.), <i>Psilochalcis</i> (1 sp.), <i>Stypiura</i> (1 sp.), <i>Trigonura</i> (1 sp.), <i>Tropimeris</i> (1 sp.)	<i>Acanthochalcis nigricans</i> , <i>Belaspidia nigra</i> , <i>Chalcis flebilis</i> , <i>Conura miniata</i> , <i>Cratocentrus pruinosus</i> , <i>Haltichella rufipes</i> , <i>Lasiochalcidia dargelasi</i> , <i>Melanosmicra variventris</i> , <i>Neochalcis fertoni</i> , <i>Psilochalcis subaenea</i> , <i>Trigonura californica</i> , <i>Tropimeris excavata</i>
Hung 1986	Paper copy	karyotype	<i>Brachymeria</i> (3 sp.)	<i>Brachymeria intermedia</i> , <i>Brachymeria lasus</i> , <i>Brachymeria ovata</i>
Jiang et al. 2022	https://doi.org/10.3390/genes13122340	mitogenome	<i>Brachymeria</i> (3 sp.), <i>Haltichella</i> (1 sp.)	<i>Brachymeria lasus</i> , <i>Haltichella nipponensis</i>
Johnson et al. 2001	https://www.researchgate.net/publication/43265914_Description_biology_and_karyotype_of_a_new_Psilochalcis_Kieffer_Hymenoptera_Chalcididae_from_indianmeal_moth_pupae_Lepidoptera_Pyralidae_associated_with_culled_figs	karyotype	<i>Psilochalcis</i> (1 sp.)	<i>Psilochalcis brevialeta</i>
Kinyanjui et al. 2021	https://doi.org/10.1017/S0007485321000304	COI-5P	<i>Brachymeria</i> (1 sp.), <i>Hockeria</i> (1 sp.)	
Klopfstein & Ronquist 2013	https://doi.org/10.1016/j.ympev.2013.01.015	EF-1α	<i>Acanthochalcis</i> (1 sp.)	
Larinfeli et al. 2019	https://www.phytojournal.com/archives/2019/vol8issue4/PartZ/8-4-15-830.pdf	COI-5P	<i>Brachymeria</i> (1 sp.)	<i>Brachymeria femorata</i>
Liu et al. 2019	https://doi.org/10.3389/fgene.2019.00172	Transcriptome	<i>Brachymeria</i> (1 sp.)	<i>Brachymeria lasus</i>
Munro et al. 2011	https://doi.org/10.1371/journal.pone.0027023	18S, 28S	<i>Acanthochalcis</i> (1 sp.), <i>Antrocephalus</i> (5 sp.), <i>Aspirrhina</i> (1 sp.), <i>Brachymeria</i> (6 sp.), <i>Conura</i> (9 sp.), <i>Cratocentrus</i> (1 sp.), <i>Dirhinus</i> (5 sp.), <i>Epitranus</i> (3 sp.), <i>Haltichella</i> (1 sp.), <i>Hockeria</i> (1 sp.), <i>Irichohalticella</i> (1 sp.), <i>Kriechbaumerella</i> (1 sp.), <i>Notaspidium</i> (1 sp.), <i>Parastypiura</i> (1 sp.), <i>Schwarzella</i> (1 sp.), <i>Smicromorpha</i> (1 sp.), <i>Stypiura</i> (1 sp.), <i>Trigonura</i> (1 sp.)	<i>Acanthochalcis nigricans</i> , <i>Chalcis flebilis</i> , <i>Chalcis sispes</i> , <i>Conura debilis</i> , <i>Conura delumbis</i> , <i>Cratocentrus pruinosus</i> , <i>Parastypiura pulchripennis</i> , <i>Schwarzella arizonensis</i> , <i>Trigonura californica</i>
Peters et al. 2017	https://doi.org/10.1016/j.cub.2017.01.027	transcriptome	<i>Brachymeria</i> (1 sp.)	<i>Brachymeria minuta</i>
Ramage et al. 2017	https://doi.org/10.5852/ejt.2017.272	COI-5P	Chalcididae (2 sp.)	
Sivell et al. 2024	https://doi.org/10.12688/wellcomeopenres.22693.1	genome	<i>Chalcis</i> (1sp.)	<i>Chalcis sispes</i>
Schulmeister et al. 2003	https://doi.org/10.1111/j.1096-0031.2002.tb00287.x	16S, 18S, 28S, COI	<i>Brachymeria</i> (1 sp.)	
Shashank et al. 2022	https://doi.org/10.1007/s11033-022-07628-2	COI-5P	<i>Antrocephalus</i> (1 sp.), <i>Brachymeria</i> (3 sp.), <i>Epitranus</i> (1 sp.), <i>Neochalcis</i> (1 sp.), <i>Tropimeris</i> (1 sp.)	<i>Brachymeria lasus</i> , <i>Brachymeria nephantidis</i> , <i>Epitranus ramnathi</i>
Smith et al. 2011	https://doi.org/10.1371/journal.pone.0014424	COI-5P	<i>Brachymeria</i> (1 sp.), <i>Conura</i> (1 sp.)	<i>Brachymeria compsilurae</i> , <i>Conura albifrons</i>
Tang et al. 2019	https://doi.org/10.1016/j.ympev.2018.10.040	mitogenome	<i>Brachymeria</i> (1 sp.)	
Telfer et al. 2015	https://doi.org/10.3897/BDJ.3.e6313	COI-5P	<i>Conura</i> (1 sp.)	<i>Conura albifrons</i>
Zhao et al. 2021	https://doi.org/10.3390/insects12121049	mitogenome	<i>Brachymeria</i> (2 sp.), <i>Haltichella</i> (1 sp.)	<i>Brachymeria lasus</i> , <i>Haltichella nipponensis</i>
Zohng-Li et al. 2006	https://www.researchgate.net/publication/231181505_A_molecular_phylogeny_of_eulophid_wasps_inferred_from_partial_18S_gene_sequences	18S	<i>Brachymeria</i> (2 sp.)	<i>Brachymeria lasus</i>