

Appendix. Exemplar taxa used in this study, with collection localities and GenBank accession numbers. Voucher numbers refer to those specimens deposited in the Museum of Comparative Zoology (MCZ), Harvard University, USA. Species in bold denote taxa used for the *EF-1 α* and *COI-COII* gene partitions to make up the species-group terminal units in the combined analyses.

Genus	Species-group	Species	MCZ Voucher No.	Locality	Genbank Accession No.		
					<i>EF-1α</i>	<i>COI-COII</i>	<i>ND5</i>
<i>Delias</i>	<i>aganippe</i>	<i>aganippe</i>	AAM-97-U389	Western AUSTRALIA (WA). Lake Douglas, Kalgoorlie, WA	DQ082819	DQ082769	
		<i>aganippe</i>	MFB-97-U344	Eastern AUSTRALIA (EA). Mt. Ainslie, ACT	AY870511	DQ082770	
	<i>albertisi</i>	<i>albertisi</i>		INDONESIA. Arfak Mountains, Papua			AB027609*
		<i>discus</i>	MFB-00-P447	INDONESIA. Borne, R. Ailme, Irja, Jayawijaya, West Irian Jaya		DQ082771	
	<i>belisama</i>	<i>belisama</i>		INDONESIA. Bali			AB055834*
		<i>descombesi</i>	NP-95-Y271	MALAYSIA. Awana, Pahang	DQ082820	DQ082772	
	<i>belladonna</i>	<i>belladonna</i>	DL-01-N104	THAILAND. Doi Inthanon NP, Chiang Mai	AY870510	DQ082773	
		<i>belladonna</i>		LAOS/THAILAND			AB044595*
	<i>bornemannii</i>	<i>nais</i>	MFB-00-P042	PAPUA NEW GUINEA. Mt. Kaindi, Morobe Province	DQ082821	DQ082774	
	<i>brandti</i>	<i>brandti</i>	MFB-00-P488	PAPUA NEW GUINEA. Schleinitz Mts, south-central New Ireland	DQ082822		
	<i>chrysomelaena</i>	<i>ladas</i>	MFB-00-P048	PAPUA NEW GUINEA. Mt. Kaindi, Morobe Province	DQ082823	DQ082775	
		<i>ladas</i>		INDONESIA. North Wamena, Papua			AB055817*
	<i>clathrata</i>	<i>clathrata</i>	MFB-00-P045	PAPUA NEW GUINEA. Mt. Kaindi, Morobe Province	DQ082824	DQ082776	
		<i>elongatus</i>		INDONESIA. Arfak Mountains, Papua			AB055833*
	<i>cuningputi</i>	<i>cuningputi</i>	MFB-00-P086	PAPUA NEW GUINEA. Kegsugl, Simbu Province	DQ082825	DQ082777	
		<i>aroae</i>	MFB-00-P054	PAPUA NEW GUINEA. Mt. Kaindi, Morobe Province	DQ082826	DQ082778	
		<i>flavissima</i>		PAPUA NEW GUINEA. Western Highlands Province			AB044595*
	<i>dorimene</i>	<i>agostina</i>	DL-01-P053	THAILAND. Doi Inthanon NP, Chiang Mai	DQ082827	DQ082779	
		<i>baracasa</i>	MFB-00-P295	PHILIPPINES. Ifugao Province, North Luzon		DQ082780	
		<i>baracasa</i>		INDONESIA. Sumatera			AB055835*
	<i>eichhorni</i>	<i>eichhorni</i>	MFB-00-P078	PAPUA NEW GUINEA. Kegsugl, Simbu Province	DQ082828	DQ082781	
		<i>eichhorni</i>		PAPUA NEW GUINEA. Central Province			AB044618*

<i>georgina</i>	<i>cinerascens</i>		MALAYSIA. Borneo			AB055815*
<i>geraldina</i>	<i>geraldina</i>	MFB-00-P053	PAPUA NEW GUINEA. Mt. Kaindi, Morobe Province	DQ082829	DQ082782	
	<i>microsticha</i>	MFB-00-P050	PAPUA NEW GUINEA. Mt. Kaindi, Morobe Province	DQ082830	DQ082783	
	<i>sagessa</i>		INDONESIA. Arfak Mountains, Papua			AB055819*
<i>hyparete</i>	<i>hyparete</i>	DL-00-Q187	THAILAND. Wat Thamachak, Ampuh Sung Noen, near Khorat	DQ082831	DQ082784	
	<i>hyparete</i>		INDONESIA. Bali			AB055837*
	<i>mysis</i>	MFB-97-U353	AUSTRALIA. Cairns, Qld	DQ082832	DQ082785	
<i>iltis</i>	<i>iltis</i>	MFB-00-P108	PAPUA NEW GUINEA. Kegsugl, Simbu Province	DQ082833	DQ082786	
	<i>iltis</i>		PAPUA NEW GUINEA. Western Highlands Province			AB044628*
<i>isse</i>	<i>ennia</i>	MFB-00-P470	AUSTRALIA. Lake Barrine, Atherton Tableland, Qld.	DQ082834	DQ082787	
	<i>candida</i>		INDONESIA. Bacan			AB055836*
<i>kummeri</i>	<i>kummeri</i>	MFB-00-P052	PAPUA NEW GUINEA. Mt. Kaindi, Morobe Province	DQ082835	DQ082788	
	<i>isocharis</i>		INDONESIA. Borme, Papua			AB055830*
<i>niepelti</i>	<i>niepelti</i>	MFB-00-P069	PAPUA NEW GUINEA. Kegsugl, Simbu Province	DQ082836	DQ082789	
	<i>meeki</i>		PAPUA NEW GUINEA. Mount Hagen, Western Highlands Province			AB044611*
<i>nigrina</i>	<i>nigrina</i>	MFB-97-U341	AUSTRALIA. Mogo, NSW	DQ082837	DQ082790	
	<i>wollastoni</i>		INDONESIA. Habbema Lake, Papua			AB055831*
<i>nysa</i>	<i>nysa</i>	MFB-98-U357	AUSTRALIA. Mt. Nebo, NSW	DQ082838	DQ082791	
	<i>momea</i>		INDONESIA. Jawa			AB055816*
<i>pasithoe</i>	<i>pasithoe</i>		THAILAND			AB055832*
	<i>ninus</i>	MWT-93-C032	MALAYSIA. Kuala Woh, Papah	DQ082839	DQ082792	
<i>singhapura</i>	<i>themis</i>	MFB-00-P305	PHILIPPINES. Lower slopes of Mt. Halcon, Mindoro	DQ082840	DQ082793	
	<i>kuehni</i>		INDONESIA. Sulawesi			AB055814*
<i>stresemanni</i>	<i>stresemanni</i>	MFB-00-P444	INDONESIA. Seram, Maluku		DQ082794	
	<i>schmassmanni</i>		INDONESIA. Buru			AB055818*
<i>weiskei</i>	<i>leucias</i>	MFB-00-P093	PAPUA NEW GUINEA. Kegsugl, Simbu Province	DQ082841	DQ082795	
	<i>nieuwenhuisi</i>		INDONESIA. Okibab, Papua			AB055829*
uncertain	<i>diaphana</i>	MFB-00-P292	PHILIPPINES. Masara, Davao de Norte, SE Mindanao		DQ082796	
uncertain	<i>harpalyce</i>	MFB-97-U349	AUSTRALIA. Mugga Lane, ACT	DQ082842	DQ082797	
uncertain	<i>ellipsis</i>	MFB-00-P448	NEW CALEDONIA. Col d'Amien La Foa		DQ082798	
uncertain	<i>messalina</i>	MFB-00-P473	PAPUA NEW GUINEA. New Ireland, Hans Meyer Range	DQ082843	DQ082799	
<i>Hebomoia</i>	<i>glaucippe</i>	NP-95-Y258	MALAYSIA. Fraser's Hill, Pahang	AY870581	DQ082802	

	<i>glaucippe</i>		INDONESIA. Nusa Penida			AB055840*
<i>Pseudopontia</i>	<i>paradoxa</i>	SC-01-T380	ZAMBIA. Zambesi Bridge, Ikelenge	AY870580		
<i>Dismorphia</i>	<i>zathoe</i>	MFB-00-P231	COSTA RICA. Monteverde	AY870578		
<i>Euchloe</i>	<i>ausonides</i>	AF-94-A022	USA. Naked Hills, Gothic, CO	AY870558		
<i>Pieris</i>	<i>rapae</i>	NM-95-Y381	USA. Nora Murphy culture	AY870550		
	<i>rapae</i>		JAPAN. Mie			AB044594 [†]
	<i>napi</i>		USA. CA		AF173401**	
<i>Cepora</i>	<i>iudith</i>		INDONESIA. Bali			AB044623*
<i>Prioneris</i>	<i>autothisbe</i>		INDONESIA. Bali			AB055838*
<i>Aporia</i>	<i>crataegi</i>	RV-00-T758	SPAIN. Universitat Autònoma de Barcelona, Cerdanyola del Valles, Barcelona	AY870529	DQ082759	
	<i>crataegi</i>		JAPAN. Hokkaido			AB044622*
<i>Leuciacria</i>	<i>acuta</i>	MFB-00-P468	INDONESIA. Pass Valley Wamena, Papua	AY870591	DQ082761	
<i>Melete</i>	<i>lycimnia</i>	MFB-00-P316	PERU. 10 km SW of San Ramon, Chanchamayo district	AY870530	DQ082800	
<i>Charonias</i>	<i>eurytele</i>	MFB-00-P395	PERU. 9 km S of Tingo Maria	AY870531	DQ082801	
<i>Appias</i>	<i>paulina</i>	MFB-00-P159	AUSTRALIA. Buderim Forest Park, Buderim, Qld	AY870588	DQ082803	
	<i>nero</i>		NORTH VIETNAM			AB044624*
<i>Belenois</i>	<i>java</i>		INDONESIA. Bali			AB055839*
Outgroup						
<i>Colias</i>	<i>philodice</i>	NP-98-U268	USA. Harvard Forest, MA	AY870565		
	<i>eurytheme</i>		CANADA. Ontario		AF173400**	
<i>Eurema</i>	<i>hecabe</i>	MFB-00-P036	PAPUA NEW GUINEA. WEI, Wau, Morobe Province	AY870587		
	<i>hecabe</i>		JAPAN. Nishikyo-ku, Kyoto			AB013160 ^{††}
	<i>mexicana</i>	DW-92-Z084	USA. South fork of Cave Creek, Chiricahua Mtns., Cochise Co. AZ		AY954568	

* sequences for these taxa are those published by Morinaka *et al.* (2002)

** sequences for these taxa are those published by Caterino *et al.* (2001)

[†] sequence for this taxon is that published by Morinaka *et al.* (2000)

^{††} sequence for this taxon is that published by Yagi *et al.* (1999)

Fig. 7. Saturation plots showing the relationship between Ti/Tv ratio and uncorrected pairwise “p” distance for all codon positions, first and second positions, and third positions inferred under maximum parsimony for *EF-1a*, *COI-COII* and *ND5*.

