

Table S1. Summary statistics for all ACG successfully reared Eudaminae and Pyrginae (Hesperiidae) skipper butterflies 1978-2009 <sup>1/</sup>

species name in database http://janzen.sas.upenn.edu	YEAR DESCRIBED	category A=singleton B =normal C=BC split	# rearing records total for morphospecies	number of barcode groups in morphological unit	# in split	# spread in SI, INBio, & McGuire Center	# sampled & sent to BIO	# successful barcodes	why a sample of this size
<i>Achalarus albociliatus</i>	1877	B	30		1	23	10	9	confused with other species at a glance
<i>Achalarus toxeus</i>	1882	B	40		1	24	5	5	reared few after 2003
<i>Achlyodes busirus</i>	1779	B	1461		1	215	46	40	probing food plant ecology variation
<i>Achlyodes pallida</i>	1869	B	423		1	180	30	27	probing food plant ecology variation
<i>Aethilla echina</i>	1870	A	1	single record		1	1	1	wild-caught pupa, host not known in ACG
<i>Aethilla lavochrea</i>	1872	C	136		2	49	20	19	suspected would be two
<i>Aethilla lavochreaDHJ01</i>					1	1			unlikely to be another species, need more
<i>Aethilla lavochreaDHJ02</i>					18	18			unlikely to be another species, need more
<i>Aguna arunce hypozonius</i>	1880	B	15		1	5	5	5	reared few
<i>Aguna asander</i>	1867	B	442		1	89	24	23	probing seasonal ecology variation
<i>Aguna Burns01</i>		B	22		1	12	12	12	reared few, confused with other species at a glance
<i>Aguna Burns02</i>		B	43		1	19	18	15	reared few, confused with other species at a glance
<i>Aguna claxon</i>	1952	B	12		1	8	8	6	reared few
<i>Aguna coeloides</i>	1998	B	42		1	9	8	7	reared few
<i>Aguna metophis</i>	1824	B	2		1	2	1	1	reared few
<i>Aguna panama</i>	1998	B	60		1	12	12	11	reared few
<i>Anastrus neaeris</i>	1879	B	129		1	56	24	24	probing microgeographic ecology variation
<i>Anastrus sempiternus</i>	1872	B	94		1	50	22	22	probing food plant ecology variation
<i>Anisochoria polysticta</i>	1877	B	50		1	22	6	6	reared few
<i>Antigonus erosus</i>	1812	B	732		1	185	36	36	probing microgeographic ecology variation
<i>Antigonus nearchus</i>	1817	B	7		1	6	6	6	reared few
<i>Arteurotia tractipennis</i>	1872	B	76		1	31	12	12	reared few
<i>Astrartes alardus</i>	1790	B	858		1	185	31	30	probing microgeographic ecology variation
<i>Astrartes anaphus annetta</i>	1952	C	823		3	142	117	116	found early to be more than one barcode
<i>Astrartes anaphus annettaDHJ01</i>					5	5			no difference in facies or genitalia
<i>Astrartes anaphus annettaDHJ02</i>					49	49			no difference in facies or genitalia
<i>Astrartes anaphus annettaDHJ03</i>					56	56			no difference in facies or genitalia
<i>Astrartes apastus</i>	1777	B	8		1	2	2	2	reared few
<i>Astrartes aulus</i>	1881	B	9		1	8	6	6	reared few
<i>Astrartes brevicauda</i>	1886	B	72		1	28	22	22	probing food plant ecology variation
<i>Astrartes chiriquirensis</i>	1876	B	7		1	7	7	7	reared few
<i>Astrartes creteus crana</i>	1952	C	193		2	108	103	98	found early to be more than one barcode
<i>Astrartes creteus cranaDHJ01</i>					15	15			
<i>Astrartes creteus cranaDHJ02</i>					85	85			
<i>Astrartes egregius</i>	1870	C	14		2	11	11	11	reared few
<i>Astrartes egregiusDHJ01</i>					4	4			no difference in facies or genitalia
<i>Astrartes egregiusDHJ02</i>					7	7			no difference in facies or genitalia
<i>Astrartes enotrus</i>	1781	B	686		1	260	120	116	probing extreme food plant ecology variation
<i>Astrartes fulgerator</i> group	1867	C	4757		11	1916	1223	1130	found early to be more than one barcode
<i>Astrartes</i> BYTTNER					6	4			perfect food plant match
<i>Astrartes</i> CELT					327	134			
<i>Astrartes</i> ENTA					4	3			perfect food plant match
<i>Astrartes</i> FABOV					107	72			confused with other species at a glance
<i>Astrartes</i> HIHAMP					81	46			
<i>Astrartes</i> INGCUP					745	278			probing food plant ecology variation
<i>Astrartes</i> INGCUPnumt					1	1			
<i>Astrartes</i> LOHAMP					1213	596			probing microgeographic ecology variation
<i>Astrartes</i> LONCHO					96	62			probing microgeographic ecology variation
<i>Astrartes</i> MYST					7	7			

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<i>Astrartes SENNOV</i>					583	171			probing microgeographic ecology variation
<i>Astrartes SENNOV</i> numt					6	6			
<i>Astrartes TRIGO</i>					362	158			probing food plant ecology variation
<i>Astrartes YESENN</i>					1202	365			probing microgeographic ecology variation
<i>Astrartes YESENN</i> numt					6	6			
<i>Astrartes hopferi</i>	1881	C	451	2		135	72	72	found early to be more than one barcode
<i>Astrartes hopferi</i> DHJ01					10	10			no difference in facies or genitalia
<i>Astrartes hopferi</i> DHJ02					62	62			no difference in facies or genitalia
<i>Astrartes janeira</i>	1902	C	28	2		21	18	16	probing food plant ecology variation
<i>Astrartes janeira</i> DHJ01					2	2			definitely another species by facies and genitalia
<i>Astrartes janeira</i> DHJ02					18	18			definitely another species by facies and genitalia
<i>Astrartes phalaecus</i>	1893	B	3	1		3	3	3	reared few
<i>Astrartes talus</i>	1771	B	189	1		91	28	26	probing food plant ecology variation
<i>Astrartes tucuti</i>	1927	B	135	1		79	24	23	probing food plant ecology variation
<i>Atarnes sallei</i>	1867	B	926	1		144	46	27	probing microgeographic ecology variation
<i>Autochton Burns01</i>		C	335	4		189	156	142	found early to be more than one barcode
<i>Autochton Burns01</i> DHJ02					61	61			
<i>Autochton Burns01</i> DHJ03					38	38			
<i>Autochton Burns01</i> DHJ04					49	49			
<i>Autochton Burns01</i> DHJ05					17	17			
<i>Autochton bipunctatus</i>	1790	A	1 single record		1	1		1	reared few
<i>Autochton longipennis</i>	1882	B	4	1		1	1	1	reared few
<i>Autochton zarex</i>	1818	B	19	1		13	12	12	probing food plant ecology variation
<i>Bolla evippe</i>	1896	A	1	1		1	1	1	reared few
<i>Bolla zorilla</i>	1886			4		36	35	33	found early to be more than one barcode
<i>Bolla zorilla</i> DHJ02		B	26	1		22	21	19	confused with other species at a glance
<i>Bolla zorilla</i> DHJ09		B	6	1		6	6	6	reared few
<i>Bolla zorilla</i> DHJ11		B	4	1		4	4	4	reared few
<i>Bolla zorilla</i> DHJ13		B	4	1		4	4	4	reared few
<i>Bungalotis astylos</i>	1780	B	287	1		61	25	25	probing microgeographic ecology variation
<i>Bungalotis diophorus</i>	1883	B	635	1		90	26	25	probing microgeographic ecology variation
<i>Bungalotis erythus</i>	1775	B	724	1		223	30	29	probing microgeographic ecology variation
<i>Bungalotis midas</i>	1775	B	38	1		13	13	13	probing food plant ecology variation
<i>Bungalotis quadratum</i>	1845	C	1019	2		315	161	157	found early to be more than one barcode
<i>Bungalotis quadratum</i> DHJ01					117	117			
<i>Bungalotis quadratum</i> DHJ02					40	40			
<i>Cabares potrillo</i>	1857	B	109	1		33	7	6	reared few
<i>Calliades zeutus</i>	1879	B	361	1		79	17	17	suspected would be two
<i>Camptopleura theramenes</i>	1877	B	2	1		2	2	2	reared few
<i>Camptopleura auxo</i>	1879	C	19	2		18	18	17	confused with other species at a glance
<i>Camptopleura auxo</i> DHJ01					6	6			no difference in facies or genitalia or food plants
<i>Camptopleura auxo</i> DHJ02					11	11			no difference in facies or genitalia or food plants
<i>Carrhenes calidius</i>	1895	B	210	1		107	36	35	confused with other species at a glance
<i>Carrhenes canescens</i>	1869	C	213	2		109	24	22	confused with other species at a glance
<i>Carrhenes canescens</i> DHJ01					10	10			
<i>Carrhenes canescens</i> DHJ02					11	11			
<i>Carrhenes fuscescens</i>	1891	B	56	1		27	2	2	process error, intended to send more
<i>Carrhenes meridensis</i>	1895	A	1 single record			1	1	1	reared few
<i>Celaenorrhinus approximatus</i>	1940	B	180	1		81	21	21	probing food plant ecology variation
<i>Celaenorrhinus Burns01</i>		B	714	1		270	57	57	confused with other species at a glance
<i>Celaenorrhinus Burns03</i>		B	30	1		29	28	28	confused with other species at a glance

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<i>Celaenorrhinus eligijs</i>		B	229		1	116	44	42	confused with other species at a glance
<i>Celaenorrhinus fritzgaertneri</i>	1880	B	107		1	53	13	12	
<i>Celaenorrhinus stallingsi</i>	1946	B	458		1	183	21	19	probing food plant ecology variation
<i>Cephise aelius</i>	1880	B	447		1	143	18	17	probing microgeographic ecology variation
<i>Cephise Burns01</i>		B	105		1	72	50	48	confused with other species at a glance
<i>Cephise nuspesez</i>	1996	C	1413		3	454	64	61	found early to be more than one barcode
<i>Cephise nuspesezDHJ01</i>						5	5		
<i>Cephise nuspesezDHJ02</i>						58	58		
<i>Cephise nuspesezDHJ03</i>						1	1		
<i>Chioides catillus</i>	1779	B	591		1	192	25	25	probing food plant ecology variation
<i>Chioides zilpa</i>	1872	B	40		1	15	14	14	
<i>Chiomara georgina</i>	1868	B	428		1	98	18	17	
<i>Chiomara mithrax</i>	1879	A	1	single record		1	1	1	reared few
<i>Chrysoplectrum Burns01</i>		B	412		1	132	30	28	confused with other species at a glance
<i>Chrysoplectrum Burns02</i>		B	5		1	1	1	1	reared few
<i>Chrysoplectrum pervivax</i>	1819	B	154		1	22	16	16	
<i>Clito aberrans</i>	1924	B	366		1	66	16	16	
<i>Clito Burns01</i>		B	101		1	9	8	6	reared few, undescribed species
<i>Codatractus alcaeus</i>	1867	B	4		1	4	3	3	reared few
<i>Codatractus carlos</i>	1952	B	1		1	1	1	1	reared few
<i>Codatractus imalena</i>	1872	B	131		1	72	37	29	confused with other species at a glance
<i>Codatractus melon</i>	1893	B	22		1	13	9	8	confused with other species at a glance
<i>Cogia calchas</i>	1869	C	673		2	87	28	27	found to be more than one barcode
<i>Cogia calchasDHJ01</i>						20	20		
<i>Cogia calchasDHJ02</i>						7	7		
<i>Cogia eluina</i>	1894	B	491		1	95	20	20	probing microgeographic ecology variation
<i>Cogia hiska</i>	1953	B	87		1	24	17	17	
<i>Creonpyge creon</i>	1874	B	22		1	12	12	10	
<i>Cycloglypha enega</i>	1877	A	1	single record		1	1	1	reared few
<i>Cycloglypha thrasibulus</i>	1793	B	293		1	114	41	39	confused with other species at a glance
<i>Cyclosemia anastomosis</i>	1878	B	53		1	36	28	27	suspected would be two
<i>Cyclosemia Burns01</i>		B	127		1	72	35	35	confused with other species at a glance
<i>Cyclosemia subcaerulea</i>	1913	B	125		1	40	7	6	
<i>Doberes anticus</i>	1884	B	55		1	25	4	3	reared few
<i>Drephalys alcmon</i>	1779	B	147		1	30	12	11	
<i>Drephalys Burns01</i>		B	127		1	21	19	19	probing microgeographic ecology variation
<i>Drephalys kidonoi</i>	2000	B	427		1	98	18	18	probing microgeographic ecology variation
<i>Dyscophellus Burns01</i>		B	696		1	233	70	67	confused with other species at a glance
<i>Dyscophellus Burns02</i>		B	68		1	26	25	24	confused with other species at a glance
<i>Dyscophellus phraxanor</i>	1876	C	1169		4	370	248	163	found early to be more than one barcode
<i>Dyscophellus phraxanorDHJ01</i>						40	40		morphologically polymorphic
<i>Dyscophellus phraxanorDHJ02</i>						162	162		morphologically polymorphic
<i>Dyscophellus phraxanorDHJ03</i>						36	36		morphologically polymorphic
<i>Dyscophellus phraxanorDHJ04</i>						5	5		morphologically polymorphic
<i>Dyscophellus porcius</i>	1862	B	2		1	2	2	2	reared few
<i>Dyscophellus ramon</i>	1952	B	293		1	112	57	56	confused with other species at a glance
<i>Eantis thraso</i>	1807	B	387		1	90	16	16	confused with other species at a glance
<i>Ebrietas anacreon</i>	1876	C	156		4	80	61	52	found early to be more than one barcode
<i>Ebrietas anacreonDHJ02</i>						14	14		morphologically to variable to say anything
<i>Ebrietas anacreonDHJ03</i>						33	33		morphologically to variable to say anything
<i>Ebrietas anacreonDHJ04</i>						2	2		need more specimens

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<i>Ebrietas evanidus</i>	1898	B	3		1		3	3	3 reared few, discovered by barcoding
<i>Ebrietas osyris</i>	1876	B	4		1		4	4	4 reared few
<i>Elbella merops</i>	1934	B	21		1		5	5	5
<i>Elbella miodesmiata</i>	1925	B	2		1		1	1	1
<i>Elbella patrobas</i>	1857	B	26		1		6	6	6
<i>Elbella patrobas</i> DHJ05		B	14		1		1	1	0 reared few, all but one larva died
<i>Elbella scylla</i>	1855	B	425		1	134	31	31	30 probing microgeographic ecology variation
<i>Entheus</i> Burns01		B	385		1	178	57	57	55 probing microgeographic ecology variation
<i>Entheus</i> Burns02		B	153		1	68	28	28	28 confused with other species at a glance
<i>Entheus</i> Burns03		B	164		1	74	39	39	39 confused with other species at a glance
<i>Epargyreus</i> Burns02		B	1148		1	505	49	49	44 probing microgeographic ecology variation
<i>Epargyreus</i> Burns03		B	205		1	51	25	22	
<i>Epargyreus</i> Burns04		B	54		1	24	18	16	
<i>Epargyreus</i> Burns05		B	157		1	93	29	19	
<i>Epargyreus</i> Burns06		B	25		1	21	8	6	6 reared few
<i>Epargyreus</i> Burns07		B	146		1	55	16	13	
<i>Epargyreus</i> Burns09		B	1		1	1	1	0	0 reared few
<i>Epargyreus</i> Burns10		B	4		1	2	1	0	0 reared few
<i>Epargyreus</i> Burns11		B	327		1	110	41	17	
<i>Epargyreus</i> Burns12		B	75		1	7	7	6	6 reared few
<i>Ephyriades eugramma</i>	1888	B	25		1	18	9	9	9 reared few
<i>Eracon clinias</i>	1878	C	77		2	36	30	29	found early to be more than one barcode
<i>Eracon clinias</i> DHJ01					28	28			no difference in facies or genitalia or food plants
<i>Eracon clinias</i> DHJ02					2	2			no difference in facies or genitalia or food plants
<i>Eracon lachesis</i>	1918	B	560		1	158	33	32	probing variation in food plant ecology
<i>Erynnis tristis</i>	1852	B	249		1	85	27	26	
<i>Gesta gesta</i>	1863	B	363		1	37	13	13	
<i>Gindanes brontinus</i>	1895	B	74		1	14	12	12	
<i>Gorgythion begga pyralina</i>	1877	C	553		2	268	237	231	found early to be more than one barcode
<i>Gorgythion begga pyralina</i> DHJ01					99	78			no difference in facies or genitalia or food plants
<i>Gorgythion begga pyralina</i> DHJ02					175	153			no difference in facies or genitalia or food plants
<i>Grais stigmaticus</i>	1883	B	115		1	26	2	1	1 reared few
<i>Helias cama</i>	1953	B	60		1	43	27	27	27 confused with other species at a glance
<i>Heliopetes alana</i>	1868	B	6		1	6	5	5	5 reared few
<i>Heliopetes arsalte</i>	1758	B	26		1	21	12	12	
<i>Heliopetes laviana</i>	1868	B	90		1	47	22	19	19 suspected would be two
<i>Heliopetes macaira</i>	1867	B	16		1	10	2	2	2 specimens old and reared few
<i>Heliopyrgus domicella</i>	1849	B	40		1	20	0	0	0 overlooked species
<i>Hyalothyrsus neleus</i>	1758	B	582		1	123	23	22	22 probing microgeographic ecology variation
<i>Iliana</i> Burns01		B	6		1	2	2	2	2 reared few
<i>Jemadia</i> Burns01		B	68		1	16	13	13	
<i>Jemadia pseudognetus</i>	1878	B	375		1	151	26	27	27 confused with other species at a glance
<i>Jonaspyge aesculapus</i>	1876	B	24		1	12	12	12	
<i>Melanopyge</i> Burns01		B	55		1	17	17	16	16 confused with other species at a glance
<i>Melanopyge erythrosticka</i>	1879	B	5		1	4	4	4	4 reared few
<i>Mictris crispus caerulea</i>	1870	B	81		1	37	25	24	
<i>Milanion marciana</i>	1895	B	208		1	63	12	12	
<i>Morvina fissimacula pelarge</i>	1894	B	168		1	55	12	12	
<i>Mylon lassia</i>	1868	B	199		1	57	23	22	
<i>Mylon maimon</i>	1775	B	132		1	52	15	15	
<i>Mylon pelopidas</i>	1793	B	103		1	33	22	22	

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<i>Mylon salvia</i>	1953	B	24		1		15	13	13
<i>Myscelus amystis</i>	1867	B	179		1		64	20	15
<i>Myscelus assaricus michaeli</i>	1975	B	18		1		13	13	13
<i>Myscelus belti</i>	1879	B	626		1		182	30	30 confused with other species at a glance
<i>Myscelus perissodora</i>	1914	B	3		1		3	2	2 reared few
<i>Mysoria ambigua</i>	1908	B	1440		1		197	21	21
<i>Narcosius colossus</i>	1869	B	453		1		211	36	33 confused with other species at a glance
<i>Narcosius helen</i>	1952	B	38		1		14	9	8 reared few
<i>Narcosius nazaraeus</i>	1986	A	1	single record			1	1	1 known only from single wild caught pupa
<i>Narcosius samson</i>	1952	B	395		1		153	30	29 confused with other species at a glance
<i>Nascus broteas</i>	1780	B	362		1		126	38	36 confused with other species at a glance
<i>Nascus Burns01</i>		B	67		1		38	22	16 confused with other species at a glance
<i>Nascus Burns02</i>		B	224		1		98	32	29 confused with other species at a glance
<i>Nascus paullinae</i>	1842	B	604		1		170	21	21
<i>Nascus phintias</i>	1913	B	52		1		24	16	15 probing food plant ecology variation
<i>Nascus solon</i>	1882	B	174		1		72	34	33 confused with other species at a glance
<i>Nicephellus nicephorus</i>	1876	B	36		1		8	2	2 reared few
<i>Nisoniades ephora</i>	1870	B	4		1		2	2	reared few, discovered by barcoding
<i>Nisoniades castolus</i>	1878	B	218		1		87	29	26 confused with other species at a glance
<i>Nisoniades godma</i>	1953	B	789		1		253	48	46 confused with other species at a glance
<i>Nisoniades rubescens</i>	1877		15		2		12	12	12 reared few
<i>Nisoniades rubescens</i> DHJ01			1		1	1	1		reared few, discovered by barcoding
<i>Nisoniades rubescens</i> DHJ02			14		11		11		reared few, discovered by barcoding
<i>Nisoniades torta</i>	1989	C	4		2		4	4	4 reared few
<i>Nisoniades torta</i> DHJ02			5		1	3	3		reared few, discovered by barcoding
<i>Nisoniades torta</i> DHJ01			1		1		1		reared few, discovered by barcoding
<i>Noctuana lactifera</i>	1872	B	37		1		21	2	2 reared few
<i>Noctuana stator</i>	1899	B	87		1		48	35	34 confused with other species at a glance
<i>Ocyba calathana</i>	1868	B	197		1		45	12	9 reared few
<i>Ouleus Burns01</i>		B	5		1		5	5	5 reared few
<i>Ouleus cyrna</i>	1895	B	6		1		6	5	4 reared few
<i>Ouleus dilla baru</i>	1973	C	70		2		43	23	23 confused with other species at a glance
<i>Ouleus dilla baru</i> DHJ01						4			
<i>Ouleus dilla baru</i> DHJ02						19			
<i>Ouleus negrus</i>	1980	B	10		1			10	10 reared few
<i>Ouleus salvina</i>	1953	C	145		2		109	76	74 confused with other species at a glance
<i>Ouleus salvina</i> DHJ01						59	47		
<i>Ouleus salvina</i> DHJ02						32	27		
<i>Oxynetra hopfferi</i>	1888	B	29		1		10	10	10 reared few, confused with another <i>Oxynetra</i>
<i>Paches loxus</i>	1852	B	183		1		31	17	17
<i>Pachyneuria licisca</i>	1882	B	122		1		35	21	20
<i>Parelbella macleanani</i>	1893	B	488		1		108	22	19
<i>Passova gellias</i>	1893	B	532		1		143	32	31 suspected would be two
<i>Pellicia arina</i>	1953	B	258		1		56	14	12
<i>Pellicia dimidiata</i>	1870	B	117		1		40	16	16
<i>Pellicia Janzen01</i>		B	2		1		2	2	2 reared few
<i>Phanus marshallii</i>	1880	C	78		2		50	16	16 found to be more than one barcode
<i>Phanus marshallii</i> DHJ01						5	5		cannot separate by facies or genitalia from DHJ02
<i>Phanus marshallii</i> DHJ02						11	11		cannot separate by facies or genitalia from DHJ01
<i>Phanus obscurior</i>	1925	B	87		1		54	32	31 confused with other species at a glance
<i>Phanus vitreus</i>	1781	C	311		2		117	83	83 found early to be more than one barcode

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<i>Phanus vitreus</i> DHJ01					62	62			cannot separate by facies or genitalia from DHJ03
<i>Phanus vitreus</i> DHJ02					20	19			distinct genitalia differences from DHJ01
<i>Phanus vitreus</i> DHJ03					1	1			cannot separate by facies or genitalia from DHJ01
<i>Phareas coeleste</i>	1852	B	28		1	10	9		9 reared few
<i>Phocides belus</i>	1893	B	138		1	55	47		46 confused with other species at a glance
<i>Phocides Burns</i> 01		B	7		1	7	5		4 reared few
<i>Phocides lilea</i>	1867	B	241		1	75	36		35 probing microgeographic ecology variation
<i>Phocides nigrescens</i>	1938	B	564		1	240	50		48 confused with other species at a glance
<i>Phocides pigmalion</i>	1779	C	122		2	42	41		40 confused with other species at a glance
<i>Phocides pigmalion</i> DHJ01					69	23			
<i>Phocides pigmalion</i> DHJ02					52	19			
<i>Phocides Warren</i> 01		B	130		1	47	29		29 confused with other species at a glance
<i>Polyctor cleta</i>	1953	B	163		1	93	31		20 confused with other species at a glance
<i>Polyctor enops</i>	1894	B	56		1	41	27		27
<i>Polyctor polyctor</i>	1868	B	353		1	192	93		82 confused with other species at a glance
<i>Polygonus leo</i>	1790	B	596		1	125	20		17
<i>Polygonus savigny</i>	1824	C	44		2	30	28		28 found to be more than one barcode
<i>Polygonus savigny</i> DHJ01					13	13			
<i>Polygonus savigny</i> DHJ02					15	15			
<i>Polythrix asine</i>	1867	C	931		3	248	230		222 found to be more than one barcode
<i>Polythrix asine</i> DHJ01					104	104			
<i>Polythrix asine</i> DHJ02					118	117			
<i>Polythrix asine</i> DHJ04					2	2			different genitalia
<i>Polythrix auginus</i>	1867	B	19		1	15	15		12
<i>Polythrix caunus</i>	1869	B	179		1	66	38		36 confused with other species at a glance
<i>Polythrix kanshul</i>	1991	B	43		1	15	13		12
<i>Polythrix mexicanus</i>	1969	B	40		1	39	28		28
<i>Polythrix octomaculata</i>	1844	B	98		1	32	13		12
<i>Porphyrogenes peterwegei</i>	2010	B	250		1	100	77		74 confused with other species at a glance
<i>Porphyrogenes sula</i>	1940	B	2		1	1	1		1 reared few
<i>Potamanaxas Burns</i> 01		B	2		1	2	2		2 reared few
<i>Potamanaxas Burns</i> 02		B	4		1	3	3		3 reared few
<i>Potamanaxas Burns</i> 03		B	3		1	3	3		3 reared few
<i>Potamanaxas unifasciata</i>	1867	B	131		1	60	26		26
<i>Proteides mercurius</i>	1787	B	357		1	41	23		18
<i>Pyrrhopyge crida</i>	1871								
<i>Pyrrhopyge zenodorus</i>	1893								
<i>Pythonides amaryllis</i>	1876	B	303		1	90	29		28
<i>Pythonides proxenus</i>	1895	B	151		1	73	25		25
<i>Pythonides pteras</i>	1895	B	28		1	8	6		6 reared few
<i>Quadrus cerialis</i>	1782	C	1658		3	293	47		47 found to be more than one barcode
<i>Quadrus cerialis</i> DHJ01					1	1			no difference in facies or genitalia
<i>Quadrus cerialis</i> DHJ02					1	1			no difference in facies or genitalia
<i>Quadrus cerialis</i> DHJ03					44	43			
<i>Quadrus contubernalis</i>	1883	B	64		1	32	22		20
<i>Quadrus francesius</i>	1969	B	109		1	48	21		20
<i>Quadrus lugubris</i>	1869	B	138		1	68	22		10
<i>Ridens biolleyi</i>	1900	B	210		1	17	16		15
<i>Ridens Burns</i> 01		B	59		1	26	13		13
<i>Ridens cachinnans</i>	1901	B	9		1	3	6		6 reared few
<i>Ridens mephitis</i>	1876	C	143		3	55	54		51 found early to be more than one barcode

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Ridens mephitisDHJ02					21		12		
Ridens mephitisDHJ03					79		33		
Ridens mephitisDHJ04					9		9		
Ridens panche	1927	C	301		2		124	56	55 found to be more than one barcode
Ridens pancheDHJ01					4		4		need more specimens, which is R. panche?
Ridens pancheDHJ02					52		52		need more specimens, which is R. panche?
Salatis canalis	1920	B	91		1		32	25	24
Sostrata bifasciata nordica	1953	B	439		1		161	64	60 suspected would be two
Sostrata pusilla	1895	B	44		1		25	15	13
Spathilepia clonius	1775	B	235		1		50	16	14
Spioniades abbreviata	1888	B	23		1		14	7	7 reared few
Spioniades artemides	1782	B	1		1		1	1	1 reared few
Staphylus ascalaphus	1876	B	31		1		22	22	22 confused with other species at a glance
Staphylus azteca	1896	B	91		1				confused with other species at a glance
Staphylus caribbea	1940	B	46		1		38	38	37 confused with other species at a glance
Staphylus evemerus		B	65		1		42	18	18
Staphylus Janzen03		B	10		1		1	1	1 reared few
Staphylus Janzen08		B	4		1		4	3	3 reared few
Staphylus Janzen10		A	1	single record			1	1	1 reared few
Staphylus vulgata	1879	B	404		1		123	74	74 confused with other species at a glance
Telemiades antiopae	1882	C	705		4		316	201	191 found to be more than one
Telemiades antiopaeDHJ01					77		77		
Telemiades antiopaeDHJ02					57		57		
Telemiades antiopaeDHJ03					24		24		
Telemiades antiopaeDHJ04					33		33		
Telemiades avitus	1781	B	6		1		3	3	3 reared few
Telemiades Burns01		B	24		1		24	23	23
Telemiades Burns02		B	10		1		5	5	5 reared few
Telemiades Burns03		B	1		1		1	1	1 reared few
Telemiades Burns08		B	3		1		3	3	3 reared few
Telemiades chrysorrhoea	1893	C	282		2		177	88	74 found early to be more than one barcode
Telemiades chrysorrhoeaDHJ01					41		41		pseudogene, entirely females
Telemiades chrysorrhoeaDHJ02					33		33		real barcode, males and females
Telemiades fides	1949	B	2025		1		467	264	262 searching for rare included other species
Telemiades gallius	1888	B	8		1		2	2	2 reared few
Telemiades megallus	1888	B	59		1		32	32	30
Telemiades nicomedes	1879	B	49		1		28	27	26
Telemiades oiclus	1889	B	127		1		51	21	20
Thessia jalapus	1881	B	256		1		125	25	25 confused with other species at a glance
Timochares trifasciata	1868	B	492		1		70	17	15
Timochreon satyrus	1867	B	146		1		51	24	23
Tosta gorgus	1937	B	122		1		44	8	8 reared few
Tosta niger	1940	B	26		1		9	5	5 reared few
Tosta platypterus	1895	B	323		1		141	25	25 confused with other species at a glance
Typhedanus ampyx	1893	B	85		1		49	8	7 reared few
Typhedanus undulatus	1867	B	194		1		60	11	10
Udranomia eurus	1919	A	1	single record			1	1	1 reared few
Udranomia kikkawai	1906	C	348		4		355	194	189 found early to be more than one barcode
Udranomia kikkawaiDHJ01					811		111		
Udranomia kikkawaiDHJ02					494		136		
Udranomia kikkawaiDHJ03					31		31		

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<i>Udranomia kikkawai</i> DHJ04					29	29			
<i>Udranomia orcinus</i>	1867	B	150		1	94	39	38	probing microgeographic ecology variation
<i>Urbanus albimargo</i>	1876	B	126		1	38	11	7	reared few
<i>Urbanus belli</i>	1935	C	534		3	319	287	279	found early to be more than one barcode
<i>Urbanus belli</i> DHJ01					189	178			
<i>Urbanus belli</i> DHJ02					77	68			
<i>Urbanus belli</i> DHJ03					34	33			
<i>Urbanus dorantes</i>	1790	B	209		1	79	16	16	
<i>Urbanus doryssus</i>	1831	C	330		3	203	86	83	found to be more than one
<i>Urbanus doryssus</i> DHJ01					78	32			
<i>Urbanus doryssus</i> DHJ02					228	90			
<i>Urbanus doryssus</i> DHJ03					2	2			
<i>Urbanus esmeraldus</i>	1877	B	386		1	172	148	140	confused with other species at a glance
<i>Urbanus esta</i>	1952	B	262		1	143	84	82	confused with other species at a glance
<i>Urbanus evona</i>	1952	B	38		1	19	18	18	confused with other species at a glance
<i>Urbanus pronta</i>	1952	B	302		1	85	24	22	confused with other species at a glance
<i>Urbanus proteus</i>	1758	B	946		1	505	421	417	confused with other species at a glance
<i>Urbanus simplicius</i>	1790	B	204		1	66	14	14	
<i>Urbanus teleus</i>	1821	B	32		1	17	9	8	reared few
<i>Urbanus viterboana</i>	1907	B	143		1	34	26	17	
<i>Venada cacao</i>	2005	B	27		2	8	8	8	reared few
<i>Venada cacao</i> DHJ01					2	2			facies slightly different, undescribed species
<i>Venada cacao</i> DHJ02					6	6			facies slightly different, undescribed species
<i>Venada daneva</i>	2005	B	209		1	88	27	23	confused with other species at a glance
<i>Venada naranja</i>	2005	B	63		1	26	24	19	confused with other species at a glance
<i>Venada nevada</i>	2005	B	529		1	288	43	39	probing microgeographic ecology variation
<i>Xenophanes tryxus</i>	1780	B	782		1	190	32	32	probing microgeographic ecology variation
<i>Yanguna cosyra</i>	1875	B	1048		1	280	23	23	
<i>Zera hosta</i>	1953	B	27		1	5	5	5	reared few
<i>Zera Burns01</i>		C	18		2	18	17	17	reared few
<i>Zera Burns01</i> DHJ02					15	14			genitalia different, undescribed species
<i>Zera Burns01</i> DHJ03					3	3			genitalia different, undescribed species
<i>Zopyrion sandace</i>			2			2	0	N/A	overlooked species
TOTALS			65298		9184	27047	9701	9095	