

Symbols

1	Presence stated in the publication
*	Annotation or comment in the publication

Code

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 Micevski 2015
 Sachanowicz 2016

S1. Overview of the literature analysis

Code	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Hesperiidae																		
<i>Carcharodus alceae</i>	1		1				1	1	1	1		1	1	1	1	1	1	
<i>Carcharodus baeticus</i>													1					
<i>Carcharodus floccifera</i>	1		1				1		1				1	1	1	1	1	
<i>Carcharodus lavatherae</i>	1		1				1		1				1	1	1	1	1	
<i>Carcharodus orientalis</i>	1		1				1		1			1	1	1	1	1	1	
<i>Carterocephalus palaemon</i>						1									1			*
<i>Erynnis marloyi</i>	1		1				1		1				1	1	1	1	1	
<i>Erynnis tages</i>	1		1			*	1		1				1	1	1	1		
<i>Gegenes nostradamus</i>	1		1				1		1	1			1	1	1			
<i>Gegenes pumilio</i>	1		1				1	1	1	1			1	1	1		1	
<i>Hesperia comma</i>	1		1	1		1	1		1				1	1	1	1		
<i>Heteropterus morpheus</i>						1									1			*
<i>Muschampia proto</i>										1					1	1	1	
<i>Muschampia tessellum</i>						1									1			*
<i>Ochlodes sylvanus</i>	1		1			*	1		1				1	1	1	1		
<i>Pyrgus alveus</i>	1		1			1	1		1				1	1	1			
<i>Pyrgus andromedae</i>																		
<i>Pyrgus armoricanus</i>	1		1				1		1				1	1	1	1	1	
<i>Pyrgus carthami</i>	1						1		1				1	1	1			
<i>Pyrgus cinarae</i>	1						1		1						1	1		
<i>Pyrgus bellieri (foulquieri)</i>	1		1				1		1				1	1	*			
<i>Pyrgus malvae</i>	1		1			1	1		1	1			1	1	1		1	
<i>Pyrgus serratulae</i>	1		1			1	1		1				1	1	1	1		
<i>Pyrgus sidae</i>	1		1				1		1				1	1	1		1	
<i>Spialia orbifer</i>	1		1	1		1			1				1		1	1	1	
<i>Spialia phlomidis</i>	1		1				1		1				1	1	1	1		
<i>Spialia sertorius</i>							1						1	1	*			
<i>Thymelicus acteon</i>	1		1	1			1		1				1	1	1	1		
<i>Thymelicus lineola</i>	1		1			1	1		1				1	1	1	1		
<i>Thymelicus sylvestris</i>	1		1				1		1				1	1	1	1		

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Papilionidae																		
<i>Iphiclides podalirius</i>	1					1	1	1	1		1	1	1	1	1	1	1	
<i>Papilio alexanor</i>	1					1	1		1			1	1	1	1			1
<i>Papilio machaon</i>	1			1		1	1	1	1		1	1	1	1	1	1	1	1
<i>Parnassius apollo</i>	1					1	1		1				1	1	1	1	1	1
<i>Parnassius mnemosyne</i>	1					1	1		1				1	1	1	1		
<i>Zerynthia cerisy</i>	1					1	1		1				1	1	1			
<i>Zerynthia polyxena</i>	1					1	1		1				1	1	1			
Pieridae																		
<i>Anthocharis cardamines</i>	1			1		1	1		1			1	1	1	1			1
<i>Anthocharis damone</i>																		1
<i>Anthocharis gruneri</i>	1						1		1				1	1	1			1
<i>Aporia crataegi</i>	1			1		1	1		1		1		1	1	1	1	1	1
<i>Colias alfacariensis</i>							1		1				1	1	1	1	1	1
<i>Colias aurorina</i>															1	1		1
<i>Colias caucasica</i>																		
<i>Colias croceus</i>	1			1		1	1	1	1		1	1		1	1	1	1	1
<i>Colias hyale</i>	1					1	1		1						1			*
<i>Euchloe ausonia</i>	1			1			1		1			1	1	1	1	1	1	1
<i>Euchloe penia</i>									1				1	1				1
<i>Gonepteryx cleopatra</i>	1					1	1		1		1	1	1	1	1	1	1	1
<i>Gonepteryx farinosa</i>	1						1		1		1		1	1	1	1	1	1
<i>Gonepteryx rhamni</i>	1					1	1		1			1	1	1	1	1	1	1
<i>Leptidea duponcheli</i>	1			1			1		1				1	1	1	1	1	1
<i>Leptidea juvernica</i>																		
<i>Leptidea sinapis</i>	1			1		1	1	1	1		1	1	1	1	1	1	1	1
<i>Pieris balcana</i>															1	1	1	1
<i>Pieris brassicae</i>	1			1		1	1		1			1	1	1	1			1
<i>Pieris ergane</i>	1						1		1			1	1	1	1	1	1	1
<i>Pieris krueperi</i>	1						1		1		1		1	1	1			
<i>Pieris mannii</i>	1			1			1		1		1	1	1	1	1	1	1	1
<i>Pieris napi</i>	1			1		1	1		1		1	1	1	1	1	1	1	1

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<i>Pieris rapae</i>		1			1		1	1	1	1		1	1	1	1	1	1	1	
<i>Pontia chloridice</i>		1						1		1				1	1	1			
<i>Pontia daplidice</i>		1			1		1	1		1				1	1	*			
<i>Pontia edusa</i>									1			1	1			1	1	1	
Riodinidae																			
<i>Hamearis lucina</i>		1						1		1				1	1	1			1
Lycaenidae																			
<i>Aricia agestis</i>		1						1	1	1				1	1	1	1	1	1
<i>Aricia anteros</i>		1						1		1				1	1	1	1		
<i>Aricia artaxerxes</i>		*														1	1		
<i>Cacyreus marshalli</i>																			1
<i>Callophrys rubi</i>		1			1		1	1		1			1	1	1	1	1	1	1
<i>Celastrina argiolus</i>		1			1		1	1	1	1			1	1	1	1	1	1	1
<i>Cupido alcetas</i>																	1		
<i>Cupido argiades</i>		1						1		1				1	1	1			
<i>Cupido decolorata</i>		1						1		1				1	1	1			
<i>Cupido minimus</i>		1						1		1				1	1	1	1	1	1
<i>Cupido osiris</i>		1						1		1				1	1	1	1		
<i>Cyaniris semiargus</i>		1			1		1	1		1				*	1	1	1	1	1
<i>Eumedonia eumedon</i>		1					1	1		1				*	1	1	1		
<i>Favonius quercus</i>		1					1	1		1				*	1	1	1		
<i>Glauopsyche alexis</i>		1						1		1				1	1	1			1
<i>Iolana iolas</i>		1						1		1				1	1	1	1	1	1
<i>Kretania sephirus</i>		1														1	1	1	
<i>Lampides boeticus</i>		1						1	1	1		1		1	1	1	1		
<i>Leptotes pirithous</i>		1						1		1				1	1	1	1		
<i>Lycaena alciphron</i>		1						1		1				*	1	1	1	1	1
<i>Lycaena candens</i>																1	1	1	
<i>Lycaena dispar</i>		1					1	1		1				1	1	1	1		
<i>Lycaena hippothoe</i>		1					1	1		1				1	1	*			
<i>Lycaena ottomanus</i>		1						1		1			1	1	1	1			1
<i>Lycaena phlaeas</i>		1			1		1	1	1	1			1	1	1	1	1	1	1

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	Code	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
<i>Lycaena thersamon</i>	1							1	1	1				1	1	1	1		
<i>Lycaena tityrus</i>	1						1	1		1				*	1	1	1		
<i>Lycaena virgaureae</i>	1						1	1		1				*	1	1	1		
<i>Phengaris alcon</i>	1						1	1		1				1	1	1	1		
<i>Phengaris arion</i>	1						1	1		1				1	1	1	1		
<i>Plebejus argus</i>	1				1		1	1		1				1	1	1	1	1	
<i>Plebejus argyrognomon</i>	1							1		1				1	1	1			
<i>Plebejus idas</i>	*							1		1				1	1	1	1	1	
<i>Polyommatus admetus</i>	1							1		1				1	1	1	1	1	
<i>Polyommatus amandus</i>	1						1	1		1				1	1	1	1		
<i>Polyommatus bellargus</i>	1				1			1		1				1	1	1	1	1	
<i>Polyommatus coridon</i>	1						1	1		1				1	1	1	1		
<i>Polyommatus damon</i>	1							1		1				1	1	1	1		
<i>Polyommatus daphnis</i>	1						1	1		1				1	1	1	1	1	
<i>Polyommatus dorylas</i>	1							1		1				1	1	1	1	1	
<i>Polyommatus eroides</i>	1							1						1	1	*			
<i>Polyommatus eros</i>										1						1	1		
<i>Polyommatus escheri</i>								1		1				1	1	1	1		
<i>Polyommatus icarus</i>	1				1		1	1	1	1		1	1	1	1	1	1	1	
<i>Polyommatus ripartii</i>	*							1		1					1	1	1	1	
<i>Polyommatus thersites</i>								1		1				1	1	1	1		
<i>Pseudophilotes vicrama</i>	1							1		1		1		1	1	1	1	1	
<i>Satyrium acaciae</i>	1							1		1				1	1	1	1	1	
<i>Satyrium ilicis</i>	1				1		1	1		1				1	1	1	1		
<i>Satyrium pruni</i>							1							1		1			
<i>Satyrium spini</i>	1							1		1				*	1	1	1		
<i>Satyrium w-album</i>	1						1	1		1				*	1	1	1		
<i>Scolitantides orion</i>	1				1			1		1				1	1	1	1		
<i>Tarucus balkanicus</i>	1							1		1		1		1	1	1	1		
<i>Tarucus theophrastus</i>															1				
<i>Thecla betulae</i>	1						1	1		1				*	1	1	1		

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Code	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Libytheidae																		
<i>Libythea celtis</i>	1			1		1	1		1				1	1	1	1	1	
Danaidae																		
<i>Danaus chrysippus</i>							1	1	1				1	1	1			
Nymphalidae																		
<i>Aglais io</i>	1			1		1	1		1				1	1	1	1		
<i>Aglais urticae</i>	1					1	1		1				1	1	1	1	1	
<i>Apatura ilia</i>	1						1		1				1	1	1	1		
<i>Apatura iris</i>															1	1		
<i>Apatura metis</i>	*																1	1
<i>Aphantopus hyperantus</i>	1						1		1				1	1	1	1		
<i>Araschnia levana</i>																		
<i>Arethusana arethusana</i>	1						1		1				1	1	1	1		
<i>Argynnis adippe</i>	1					*	1		1				1	1	1	1		
<i>Argynnis aglaja</i>	1					1	1		1				1	1	1	1		
<i>Argynnis niobe</i>	1					1	1		1				1	1	1	1		
<i>Argynnis pandora</i>	1					1	1	1	1		1		1	1	1	1		
<i>Argynnis paphia</i>	1					1	1		1				1	1	1	1		
<i>Boloria dia</i>	1						1		1				*	1	1	1		
<i>Boloria euphrosyne</i>	1					1	1		1				1	1	1	1		
<i>Boloria graeca</i>	1						1		1				*	1	1	1		
<i>Boloria pales</i>	1						1		1				*	1	1			
<i>Boloria titania</i>	1														1			
<i>Brenthis daphne</i>	1					1	1		1				1	1	1	1		
<i>Brenthis hecate</i>	1						1		1				1	1	1	1		
<i>Brenthis ino</i>	1					*	1		1				1	1	1			
<i>Brintesia circe</i>	1					1	1	1	1				1	1	1	1	1	
<i>Charaxes jasius</i>	1					1	1		1				1	1	1			
<i>Chazara briseis</i>	1					1	1		1				1	1	1	1		
<i>Coenonympha arcania</i>	1					1	1		1				1	1	1	1	1	
<i>Coenonympha gardetta</i>	1						1						1	1				
<i>Coenonympha glycerion</i>									1						1			

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<i>Coenonympha iphis</i>						1												
<i>Coenonympha leander</i>	1						1		1				1	1	1			
<i>Coenonympha orientalis</i>															1	1		
<i>Coenonympha pamphilus</i>	1			1		1	1	1	1	1		1		1	1	1	1	
<i>Coenonympha rhodopensis</i>										1					1	1		
<i>Coenonympha tullia</i>							1						1	1	*			
<i>Coenonympha typhon</i>	1					1												
<i>Erebia aethiopella</i>							1		1									
<i>Erebia aethiops</i>	1				1		1		1				1	1	1			
<i>Erebia arvernensis</i>															1			
<i>Erebia cassioides</i>	*								1				1		1			
<i>Erebia epiphron</i>	1				1		1		1				1	1	1			
<i>Erebia euryale</i>	1				1		1		1				1	1	1			
<i>Erebia gorge</i>	1	1			1		1		1				1	1	1	1	1	
<i>Erebia ligea</i>	*				1		1		1				1	1	1			
<i>Erebia medusa</i>	1	1		1	1		1		1				1	1	1	1	1	
<i>Erebia melas</i>	1				1		1		1				1	1	1	1		
<i>Erebia oeme</i>	1	1			1		1		1				1	1	1			
<i>Erebia ottomana</i>	*				1		1		1				1	1	1	1		
<i>Erebia pandrose</i>	1				1		1		1				1	1	1			
<i>Erebia pronoe</i>	1				1		1		1				1	1	1			
<i>Erebia rhodopensis</i>	*														1	1		
<i>Erebia triarius</i>	1				1		1		1				1	1	1			
<i>Erebia tyndarus</i>	1						1								1	*		
<i>Euphydryas aurinia</i>	1					1	1		1				1	1	1	1		
<i>Euphydryas maturna</i>						1	1		1						1	1		*
<i>Hipparchia alcyone</i>						1	1						1	1	*			
<i>Hipparchia fagi</i>	1			1			1		1				1	1	1	1		
<i>Hipparchia fatua</i>						1				1					1			
<i>Hipparchia hermione</i>															*			
<i>Hipparchia semele</i>	1			1			1		1				1	1	1			*
<i>Hipparchia senthes</i>	*							*	*		1				1	1		

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	Code	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
<i>Hipparchia statilinus</i>		1						1	1	1				1	1	1	1		
<i>Hipparchia syriaca</i>		1							1	1	1	1				1	1	1	
<i>Hipparchia volgensis</i>									1	*	1					1		1	
<i>Hyponephele lupinus</i>		1						1		1				1	1	1	1		
<i>Hyponephele lycaon</i>		1						1		1				1	1	1	1	1	
<i>Issoria lathonia</i>		1					1	1		1			1	1	1	1	1	1	
<i>Kirinia climene</i>		1						1		1				1	1	1			
<i>Kirinia roxelana</i>		1					1	1	1	1		1		1	1	1	1		
<i>Lasiommata maera</i>		1			1		1	1		1			1		1	1	1	1	
<i>Lasiommata megera</i>		1			1		1	1		1		1	1	1	1	1	1	1	
<i>Lasiommata petropolitana</i>		1					1	1		1				1	1	1			
<i>Limenitis camilla</i>							*												
<i>Limenitis reducta</i>							1	1		1				1	1	1	1	1	
<i>Maniola jurtina</i>		1			1		1	1	1	1				1	1	1	1	1	
<i>Melanargia galathea</i>		1			1		1	1		1				1	1	1	1	1	
<i>Melanargia lachesis</i>							*												
<i>Melanargia larissa</i>		1			1		1	1		1		1		1	1	1	1	1	
<i>Melanargia russiae</i>		*					1	1		1				1	1	1	1	1	
<i>Melitaea arduinna</i>																			
<i>Melitaea athalia</i>		1					1	1		1				1	1	1	1		
<i>Melitaea aurelia</i>		*					1									1			*
<i>Melitaea cinxia</i>		1			1		1	1		1				1	1	1		1	
<i>Melitaea diamina</i>		*																	1
<i>Melitaea didyma</i>		1			1		1	1		1				1	1	1	1	1	
<i>Melitaea ornata</i>		*															1	1	
<i>Melitaea phoebe</i>		1			1		*	1		1				*	1	1	1	1	
<i>Melitaea trivialis</i>		1					1	1	1	1				1	1	1	1	1	
<i>Minois dryas</i>		1					1	1		1				1	1	1			
<i>Neptis rivularis</i>		1			1											1			
<i>Nymphalis antiopa</i>		1					1	1		1			1	1	1	1	1		
<i>Nymphalis polychloros</i>		1					1	1		1				1	1	1	1	1	
<i>Nymphalis vaualbum</i>														1					*

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Code	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
<i>Nymphalis xanthomelas</i>	1					1	1						1	1	1			
<i>Pararge aegeria</i>	1			1		1	1		1			1	1	1	1	1	1	
<i>Polygonia c-album</i>	1					1	1		1		1		1	1	1	1	1	
<i>Polygonia egea</i>	1			1		1	1	1	1		1		1	1	1		1	
<i>Pseudochazara amymone</i>															1	1	1	
<i>Pseudochazara anthelea</i>	1						1		1				1	1	1	1	1	
<i>Pseudochazara cingovskii</i>									1				1	1				1
<i>Pseudochazara geyeri</i>	1						1		1				1	1	1			
<i>Pseudochazara graeca</i>									1									
<i>Pseudochazara mamurra</i>							1											
<i>Pseudochazara mniszechii</i>															1	1	1	
<i>Pseudochazara tisiphone</i>															*			
<i>Pyronia cecilia</i>	1			1			1		1		1		1	1	1			
<i>Pyronia tithonus</i>	1						1		1				1	1	1	1		
<i>Satyrus actaea</i>							1		1				1	1				
<i>Satyrus ferula</i>	1						1		1				1	1	1	1	1	
<i>Satyrus hermione</i>	*					1												
<i>Vanessa atalanta</i>	1					*	1	1	1			1		1	1	1	1	1
<i>Vanessa cardui</i>	1			1		*	1	1	1		1	1		1	1	1	1	1
Total # species	169	3	21	43	12	91	180	27	181	9	26	30	162	180	196	143	90	8