

Supplementary material

Appendix 1. List of species and subspecies that have been amalgamated.

Species in analyses	Species/subspecies amalgamated	Endemics of Sardinia, Corsica and Sicily
<i>Leptidea sinapis</i>	<i>L. sinapis</i> (Europe) + <i>L. reali</i> (scattered in Europe and doubtfully in Corsica) (Karsholt and Razowski 1996, Kudrna, 2002)	
<i>Anthocharis belia</i>	<i>A. belia</i> (N Africa) + <i>A. b. euphenoides</i> (Europe)	
<i>Euchloe ausonia</i>	<i>E. ausonia</i> (central-eastern Europe) + <i>E. crameri</i> (N Africa-W Europe) + <i>E. insularis</i> (Sardinia and Corsica) (Kudrna 2002, García-Barros et al. 2004)	<i>E. insularis</i> (Tolman and Lewington 1997)
<i>Euchloe charlonia</i>	<i>E. charlonia</i> (N Africa) + <i>E. bazae</i> (Spain)	
<i>Euchloe tagis</i>	<i>E. tagis</i> (W Europe, N Africa) + <i>E. bellezina</i> (France, Italy) (Karsholt and Razowski 1996, Tolman and Lewington 1997)	
<i>Pieris daplidice</i>	<i>P. daplidice</i> (W Europe and N Africa) + <i>P. edusa</i> (E Europe) (Karsholt and Razowski 1996, Kudrna 2002)	
<i>Aricia artaxerxes</i>	<i>A. artaxerxes</i> (N Europe) + <i>A. allous</i> (SE Europe) + <i>A. montensis</i> (N Africa, Spain) (Tolman and Lewington 1997)	
<i>Cupido minimus</i>	<i>C. minimus</i> (Europe) + <i>C. carswelli</i> (S Spain) (García-Barros et al. 2004)	<i>C. m. trinacriae</i> (Sicily) (Tolman and Lewington 1997)
<i>Lycaena hippothoe</i>	<i>L. hippothoe</i> (Europe) + <i>L. eurydame</i> (Alpes) + <i>L. italica</i> (Appenines) (Karsholt and Razowski 1996, Tolman and Lewington 1997)	
<i>Lycaena tityrus</i>	<i>L. tityrus</i> (Europe) + <i>L. subalpina</i> (Alpes and Appenines) (Tolman and Lewington 1997)	
<i>Maculinea alcon</i>	<i>M. alcon</i> (Europe) + <i>M. rebeli</i> (south-central Europe) (Kudrna 2002)	
<i>Plebejus argus</i>	<i>P. argus</i> (Europe) + <i>P. corsicus</i> (Sardinia and Corsica) (Tolman and Lewington 1997)	<i>P. corsicus</i> (Corsica) (Tolman and Lewington 1997, Kudrna 2002, Jutzeler et al. 2003)
<i>Polyommatus fabressei</i>	<i>P. fabressei</i> (Spain) + <i>P. humedusae</i> (N Italy) + <i>P. agenjioi</i> (Spain) (Tolman and Lewington 1997)	
<i>Plebejus glandon</i>	<i>P. glandon</i> (Europe) + <i>P. zulichchi</i> (Spain) (Karsholt and Razowski 1996)	
<i>Plebejus idas</i>	<i>P. idas</i> (Europe) + <i>P. abetonica</i> (Appenines) + <i>Pbellieri</i> (Corsica and Sardinia) (Tolman and Lewington, 1997, Kudrna 2002)	<i>Pbellieri</i> (Sardinia and Corsica) (Tolman and Lewington 1997, Kudrna 2002, Jutzeler et al. 2003)
<i>Plebejus pylaon</i>	<i>P. pylaon</i> (Europe) + <i>P. trappi</i> (Alpes) + <i>P. hespericus</i> (Spain) (Tolman and Lewington 1997)	
<i>Polyommatus ripartii</i>	<i>P. ripartii</i> (Spain, France, Greece) + <i>P. violetae</i> (Spain) + <i>P. galloi</i> (S Italy) (Karsholt and Razowski 1996)	
<i>Polyommatus coridon</i>	<i>P. coridon</i> (Europe) + <i>P. gennargentii</i> (Sardinia) + <i>P. nufrellensis</i>	<i>P. gennargentii</i> (Sardinia) (Parenzan and Porcelli 2006) <i>P. nufrellensis</i> (Corsica) (Brusseaux and Nel 2004)
<i>Polyommatus dolus</i>	<i>P. dolus</i> + <i>P. vittatus</i> + <i>P. virgilius</i> (scattered in S France, Spain and Italy) (Kudrna 2002)	

<i>Polyommatus hispanus</i>	<i>P. hispanus</i> (N-W Mediterranean) + <i>P. albicans</i> (Spain)	
<i>Scoliantides baton</i>	<i>S. baton</i> (Europe) + <i>S. panoptes</i> (Spain) + <i>S. barbaggiae</i> (Sardinia) (Karsholt and Razowski 1996, García-Barros et al. 2004)	<i>S. barbaggiae</i> (Tolman and Lewington 1997)
<i>Argynnis adippe</i>	<i>A. adippe</i> (Europe) + <i>A. elisa</i> (Sardinia and Corsica) (Simonsen 2006)	<i>A. elisa</i> (Tolman and Lewington 1997)
<i>Euphydryas aurinia</i>	<i>E. aurinia</i> (Europe) + <i>E. beckeri</i> (Spain and N Africa) + <i>E. provincialis</i> and <i>glacigenita</i> (Alps and Italy) (Karsholt and Razowski 1996, Kudrna 2002)	
<i>Nymphalis urticae</i>	<i>N. urticae</i> (Europe) + <i>N. ichmusae</i> (Sardinia and Corsica) (Karsholt and Razowski 1996)	<i>N. ichmusae</i> (Sardinia and Corsica) (Tolman and Lewington 1997)
<i>Coenonympha dorus</i>	<i>C. dorus</i> (N Africa and W Europe) + <i>C. corinna</i> (Sardinia-Corsica) + <i>C. elbana</i> (Italy) (Kudrna 2002)	<i>C. corinna</i> (Sardinia, Corsica and very doubtfully Sicily)
<i>Coenonympha gardetta</i>	<i>C. gardetta</i> (Alpes and Balcanes) + <i>C. darwiniana</i> (Alpes) (Kudrna 2002)	
<i>Coenonympha glycerion</i>	<i>C. glycerion</i> + <i>C. iphioides</i> (Kudrna 2002)	
<i>Coenonympha pamphilus</i>	<i>C. pamphilus</i> (Europe and Corsica). <i>C. lyllus</i> (N Africa and Sardinia) (Boillat 2002)	
<i>Erebia melampus</i>	<i>E. melampus</i> + <i>E. sudetica</i> (Kudrna 2002)	
<i>Hipparchia aristaeus</i>	<i>Hipparchia aristaeus</i> (Sardinia, Corsica) + <i>H. algericus</i> (N Africa) + <i>H. blachieri</i> (Sicily) + <i>H. neapolitana</i> (S Italy) (Tolman and Lewington 1997, Kudrna 2002)	<i>H. blachieri</i> (Sicily) <i>H. aristaeus</i> (Sardinia and Corsica) (Tolman and Lewington, 1997)
<i>Maniola tithonus</i>		<i>M. tithonus fulgens</i> (Sardinia and Corsica) (Verity, 1940–1953; Brusseau and Nel, 2004)
<i>Melanargia galathea</i>	<i>M. galathea</i> (Europe)+ <i>M. lucasi</i> (N. Africa) (Tolman and Lewington, 1997)	
<i>Melanargia occitanica</i>	<i>M. occitanica</i> (Spain), <i>M. o. pelagia</i> (N. Africa), <i>M. o. pherusa</i> (Sicily) (Tolman and Lewington, 1997)	<i>M. o. pherusa</i> (Sicily) (Tolman and Lewington, 1997)
<i>Pararge megera</i>	<i>P. megera</i> (Europe, North Africa)+ <i>P. paramegaera</i> (Sardinia-Corsica)	<i>P. paramegaera</i> (Sardinia and Corsica)

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