

**Table S1.** abundance of butterfly communities in three different habitats.

	DGS	OFP	PPF	IUCN EU threatened status	myrmecophyllia	migratory
<b>Hesperiidae</b>						
<i>Carcharodus alceae</i> (Esper)	3	1	1	LC		
<i>Carcharodus flocciferus</i> (Zeller)	1			NT		
<i>Muschampia proto</i> (Ochsenheimer)	6	1		LC		
<i>Ochlodes sylvanus</i> (Esper)	1	2		LC		
<i>Pyrgus malvoides</i> (Elwes et Edwards)	1		3	LC		
<i>Spialia sertorius</i> (Hoffmansegg)			1	LC		
<i>Thymelicus sylvestris</i> (Poda)	1	4	6	LC		
<b>Lycaenidae</b>						
<i>Aricia agestis</i> (Denis et Schiffermüller)	11		5	LC	X	
<i>Callophrys rubi</i> (L.)	1		1	LC		
<i>Celastrina argiolus</i> (L.)	1		4	LC	X	
<i>Cupido minimus</i> (Fuessly)		2		LC	X	
<i>Lampides boeticus</i> (L.)	1			LC	X	X
<i>Leptotes pirithous</i> (L.)	1		1	LC	X	X
<i>Lycaena phlaeas</i> (L.)	4	1	3	LC		
<i>Polyommatus bellargus</i> (Rottemburg)	2		2	LC	X	
<i>Polyommatus coridon</i> (Poda)	2			LC	X	
<i>Polyommatus icarus</i> (Rottemburg)	18	27	24	LC	X	
<i>Polyommatus thersites</i> (Cantener)	3	1	2	LC	X	
<i>Pseudophilotes baton</i> (Bergstrasser)		2		LC	X	
<i>Satyrrium ilicis</i> (Esper)	5	5		LC	X	
<i>Satyrrium spini</i> (Denis et Schiffermüller)	18		3	LC		
<b>Nymphalidae</b>						
<i>Brintesia circe</i> (F.)	14	5	1	LC		
<i>Coenonympha pamphilus</i> (L.)	52	31	27	LC		
<i>Hipparchia semele</i> (L.)	12	1	1	LC		
<i>Hipparchia statilinus</i> (Hufnagel)	47	27	12	NT		
<i>Issoria lathonia</i> (L.)	1		2	LC		X
<i>Lasiommata megera</i> (L.)	8	26	37	LC		
<i>Limenitis reducta</i> Staudinger		1	5	LC		
<i>Maniola jurtina</i> (L.)	11	17	15	LC		
<i>Melanargia arge</i> (Sulzer)	2	2	6	LC		
<i>Melanargia galathea</i> (L.)		5		LC		
<i>Melanargia russiae</i> (Esper)	38	4	22	LC		
<i>Melitaea didyma</i> (Esper)	12	6	2	LC		
<i>Melitaea trivia</i> (Denis et Schiffermüller)	2			LC		
<i>Nymphalis polychloros</i> (L.)		1	1	LC		
<i>Pararge aegeria</i> (L.)		3	4	LC		
<i>Pyronia cecilia</i> (Vallantin)		12	1	LC		
<i>Vanessa atalanta</i> (L.)	4	5	6	LC		X
<i>Vanessa cardui</i> (L.)	1	1	2	LC		X
<b>Papilionidae</b>						
<i>Iphiclides podalirius</i> (L.)	2	1	7	LC		
<i>Papilio machaon</i> L.	27	8	34	LC		X
<b>Pieridae</b>						
<i>Anthocharis cardamines</i> (L.)	5	10	7	LC		
<i>Aporia crataegi</i> (L.)	13		1	LC		
<i>Colias alfacariensis</i> Ribbe	3			LC		X
<i>Colias crocea</i> (Fourcroy)	6	1	9	LC		X
<i>Euchloe ausonia</i> (Hubner)			1	LC		
<i>Gonepteryx cleopatra</i> (L.)			1	LC		
<i>Gonepteryx rhamni</i> (L.)	2	9	2	LC		
<i>Pieris brassicae</i> (L.)	2	1	3	LC		
<i>Pieris mannii</i> (Mayer)			1	LC		
<i>Pieris napi</i> (L.)	1	1	4	LC		
<i>Pieris rapae</i> (L.)	20	5	18	LC		
<i>Pontia edusa</i> (F.)	20		7	LC		X