Appendix 1: Colour strategy and life history data for the British genera of the Drepanidae and Geometridae. Colour strategy was assessed from photographs in Porter (1997), life history data from the species descriptions in Porter (1997), and host plant data from Crafer (2005). Coding for colour strategy: C=cryptic, A=aposematic, M=masquerade. Months of egg laying, pupation and adult flight are given as the earliest regular month (1=January, 2=February… 12=December). Pupation site given by *S*: subterranean, *W*: within plant, *B*: base of plant, in loose litter, *A*: on plant or other substrate. Proportion of genera woody is calculated as (Number of host-plant genera that are mainly woody plants / Number of host plant genera).

		Colour			Month			Other Life History			Host plants			
Genus	Number of congeners	Larval Colour Strategy	Adult Colour Strategy	Larval Colour Tone	Eggs Laid	Pupation	Adults Fly	Pupation Site	Overwintering Stage	Number of generations per year	Number of families	Number of genera	Number of species	Proportion of genera woody
Abraxas	2	A	A	-	8	9	6.0	B	Larva	1.0	7	9	12	0.95
Acasis	1	C	C	Green	6	8	5.0	S	Pupa	1.5	8	9	9	1
Achlya	1	C	C	Green	4	7	3.0	A	Pupa	1.0	1	1	1	1
Aethalura	1	C	C	Polyphenic	6	9	5.0	S	Pupa	1.0	1	2	2	1
Agriopis	3	M	C	-	6	7	4.7	W	Pupa	1.0	5	9	10	1
Alcis	2	-	C	Brown	8	6	6.5	A	Larva	1.0	7	10	11	1
Aleucis	1	C	C	Polyphenic	5	8	4.0	S	Pupa	1.0	1	1	1	0.92
Alsophila	1	C	C	Green	4	7	3.0	S	Pupa	1.0	8	12	13	1
Angerona	1	M	A	Brown	0	5	6.0	A	Larva	1.0	8	10	10	1
Anticlea	2	M	C	Green	5	8	3.5	S	Pupa	1.0	1	3	3	0
Anticollix	1	C	C	Green	7	10	6.0	-	Pupa	1.0	1	1	1	0.75
Apeira	1	C	A	Brown	8	6	6.0	A	Larva	1.0	2	5	5	1
Aplasta	1	C	C	Green	8	5	6.0	A	Larva	1.0	1	1	1	1
Aplocera	2	C	C	Brown	6	4	5.0	W	Larva	2.0	2	2	2	1
Apocheima	2	M	C	Brown	4	7	1.5	S	Pupa	1.0	5	6	6	0
Archiearis	2	C	C	Green	4	7	3.0	W	Pupa	1.0	2	2	2	1
Aspitates	2	M	C	-	7	5	6.0	A	Larva	1.5	7	10	10	0
Asthena	1	C	C	Green	7	10	6.0	B	Pupa	1.0	2	4	4	1
Biston	2	M	C	Brown	5	9	4.0	S	Pupa	1.0	7	13	13	0.88
Bupalus	1	C	A	Green	6	10	5.0	S	Pupa	1.0	1	4	7	1
Cabera	2	M	A	Green	7	9	5.0	B	Pupa	1.5	3	5	6	0.83
Campaea	1	M	C	Brown	0	6	7.0	B	Larva	1.0	8	12	12	0
Camptogramma	1	C	C	Green	8	5	6.0	S	Larva	1.5	7	8	10	0
Carsia	1	C	C	Brown	9	6	7.0	B	Egg	1.0	1	1	3	0
Catarhoe	2	C	C	-	7	9	6.0	W	Pupa	1.0	1	1	2	1
Cepphis	1	C	C	Brown	6	9	5.0	S	Pupa	1.0	5	6	6	1
Chesias	2	M	C	Green	9	9	6.5	S	Egg	1.0	1	2	2	1

Chlorissa	1	M	A	Green	7	9	6.0	A	Pupa	1.0	5	7	8	0
Chloroclysta	5	M	C	Green	6	7	7.4	B	Larva	1.3	5	8	9	0.98
Chloroclystis	4	C	C	Green	7	5	5.5	W	Egg	1.3	3	6	6	1
Cidaria	1	M	C	Green	8	6	6.0	-	Egg	1.0	1	1	2	0.13
Cilix	1	C	C	Brown	6	7	5.0	A	Pupa	2.0	1	6	6	0.46
Cleora	1	C	C	Green	5	9	4.0	S	Pupa	1.0	5	6	6	1
Cleorodes	1	C	C	Green	8	5	6.0	B	Larva	1.0	1	1	1	0.8
Coenocalpe	1	C	C	-	10	8	9.0	B	Egg	1.0	2	2	2	0.29
Colostygia	3	C	C	Brown	3	6	5.0	W	Larva	1.0	2	2	5	0.53
Colotois	1	M	A	-	10	7	9.0	S	Egg	1.0	6	12	14	0.75
Comibaena	1	M	C	Brown	8	5	6.0	B	Larva	1.0	1	1	1	0
Cosmorhoe	1	M	C	Brown	7	8	5.0	S	Larva	1.5	1	1	4	0.67
Crocallis	1	M	C	Brown	6	10	5.0	B	Egg	1.0	8	14	21	0
Cyclophora	6	-	C	Green	5	8	5.0	B	Pupa	1.7	2	2	2	1
Cymatophorima	1	C	C	-	9	6	8.0	A	Egg	1.0	1	1	1	1
Deileptenia	1	M	C	Brown	8	5	6.0	S	Larva	1.0	6	9	10	0
Discoloxia	1	C	C	Green	7	10	5.0	S	Pupa	1.0	1	1	1	1
Drepana	4	C	C	Green	6	7	5.0	A	Pupa	2.0	1	2	3	0
Dyscia	1	M	C	Brown	7	4	5.0	B	Larva	1.0	1	1	1	1
Ecliptopera	1	M	C	Green	6	7	5.0	B	Pupa	1.5	2	3	3	1
Ectropis	2	M	C	Brown	5	8	4.0	S	Pupa	1.5	7	10	10	0.82
Electrophaes	1	M	C	Green	6	10	5.0	S	Pupa	1.0	4	5	5	0.64
Ematurga	1	M	C	Polyphenic	6	9	5.0	S	Pupa	1.0	5	6	6	1
Ennomos	5	M	C	Brown	10	7	7.6	A	Egg	1.0	4	6	6	0.8
Entephria	2	M	C	Polyphenic	7	5	5.5	B	Larva	1.5	3	4	5	0
Epione	2	M	A	Brown	10	7	7.0	B	Egg	1.0	2	5	6	1
Epirrhoe	4	C	C	Brown	7	9	5.3	S	Pupa	1.4	1	1	3	0
Epirrita	4	C	C	Green	11	7	9.3	S	Egg	1.0	6	10	10	1
Erannis	1	C	C	-	12	7	10.0	B	Egg	1.0	9	15	16	0.93
Euchoeca	1	A	C	-	7	9	6.0	A	Pupa	1.0	1	1	1	1
Eulithis	5	M	C	Green	8	6	6.8	B	Egg	1.0	2	3	5	0
Euphyia	2	C	C	-	8	10	6.5	W	Pupa	1.0	2	4	4	0
Eupithecia	44	C	C	-	7	9	5.5	W	Pupa	1.1	3	5	5	0
Eustroma	1	M	C	Green	7	10	7.0	B	Pupa	1.0	1	1	1	1
Falcaria	1	C	C	Brown	5	7	5.0	A	Pupa	2.0	1	1	1	1
Geometra	1	C	C	Green	7	5	6.0	B	Larva	1.0	3	5	5	1
Gnophos	2	C	C	-	8	6	7.0	W	Larva	1.0	6	9	9	1

Gymnoscelis	1	C	C	-	5	6	4.0	S	Pupa	2.0	11	17	17	1
Habrosyne	1	C	A	-	7	11	6.0	S	Pupa	1.0	1	4	4	0.15
Hemistola	1	C	A	Green	9	6	7.0	A	Larva	1.0	1	1	2	1
Hemithea	1	C	C	Polyphenic	7	5	6.0	A	Larva	1.0	13	18	18	1
Horisme	2	C	C	Brown	7	11	5.5	S	Pupa	1.5	1	3	3	0.75
Hydrelia	2	M	C	Green	7	10	6.0	B	Pupa	1.0	3	4	5	0
Hydriomena	3	C	C	Brown	7	9	5.7	W	Pupa	1.0	2	4	6	1
Hylaea	1	C	C	-	8	5	6.0	B	Larva	1.0	1	4	5	0
Hypomecis	1	M	C	Brown	8	6	7.0	B	Larva	1.0	3	3	3	1
Idaea	16	M	C	-	7	5	6.3	W	Larva	1.1	3	4	4	1
Jodis	1	M	A	Green	8	11	6.0	A	Pupa	1.0	7	11	11	0.06
Lampropteryx	2	C	C	Brown	6	8	4.5	S	Pupa	1.5	1	1	3	0.98
Larentia	1	M	C	Green	10	6	9.0	S	Egg	1.0	1	2	2	0.7
Ligdia	1	C	A	Green	6	10	5.0	B	Pupa	2.0	1	1	1	1
Lithostege	1	C	C	Green	7	9	5.0	S	Pupa	1.0	1	2	2	0.97
Lobophora	1	C	C	Green	6	8	5.0	B	Pupa	1.0	1	2	5	0
Lomaspilis	1	C	A	Green	6	10	6.0	S	Pupa	1.0	2	5	10	0.86
Lomographa	2	C	A	Green	6	9	5.0	W	Pupa	1.0	4	5	7	1
Lycia	3	C	C	-	4	8	3.3	S	Pupa	1.0	4	5	6	0.92
Melanthia	1	M	C	Brown	8	10	6.0	S	Pupa	1.0	1	1	1	0
Menophra	1	C	C	Brown	6	10	4.0	A	Pupa	1.0	2	3	3	0.75
Mesoleuca	1	C	C	Green	-	10	6.0	S	Pupa	1.0	2	4	5	0.87
Minoa	1	M	C	-	6	10	5.0	S	Pupa	1.0	1	1	1	1
Nebula	1	C	C	-	7	4	5.0	S	Larva	1.0	1	1	4	1
Ochropacha	1	C	C	Green	7	10	6.0	A	Pupa	1.0	2	4	4	1
Odezia	1	C	A	Green	8	6	6.0	S	Egg	1.0	1	2	2	0
Odontognophos	1	C	C	Brown	0	0	8.0	-	Egg	1.0	1	1	1	1
Odontopera	1	M	C	Brown	6	10	5.0	B	Pupa	1.0	12	18	19	1
Operophtera	2	C	C	Green	2	7	10.5	S	Adult	1.0	7	11	11	1
Opisthograptis	1	M	A	Polyphenic	4	5	4.0	B	Pupa	2.0	4	7	8	0
Orthonama	1	M	C	-	6	4	5.0	B	Larva	2.0	1	1	4	0.97
Ourapteryx	1	M	C	Brown	7	5	6.0	A	Larva	1.0	8	9	9	1
Pachycnemia	1	M	C	-	-	10	7.0	S	Pupa	2.0	1	1	1	0.5
Paradarisa	2	M	C	Polyphenic	6	10	4.5	W	Pupa	1.0	3	3	3	0.98
Pareulype	1	C	C	Brown	6	7	5.0	A	Pupa	2.0	1	1	1	1
Pelurga	1	C	C	Brown	7	11	7.0	S	Pupa	1.0	1	2	3	1
Perconia	1	M	C	Brown	7	5	6.0	A	Larva	1.0	3	5	5	0.75

Peribatodes	2	M	C	Brown	9	6	7.0	A	Larva	1.0	7	9	9	0
Perizoma	10	-	C	-	7	9	6.0	S	Pupa	1.0	2	3	3	0.9
Petrophora	1	C	C	Polyphenic	6	10	5.0	S	Pupa	1.0	1	1	1	1
Phibalapteryx	1	C	C	Brown	6	7	5.0	B	Pupa	2.0	1	1	1	0.17
Philereme	2	-	C	Green	8	6	7.0	S	Egg	1.0	1	1	2	0.91
Plagodis	2	M	C	Brown	6	10	5.0	W	Pupa	1.0	4	6	7	0
Plemyria	1	M	C	Green	9	6	6.0	-	Egg	1.0	3	6	7	0
Polyploca	1	C	C	-	4	8	4.0	A	Pupa	1.0	1	1	1	0
Pseudopanthera	1	M	A	Green	6	9	5.0	B	Pupa	1.0	1	5	5	0.84
Pseudoterpna	1	M	C	Green	7	5	6.0	B	Larva	1.0	1	3	3	0.88
Psodos	1	C	C	-	7	6	7.0	-	Larva	0.5	1	3	3	0
Pterapherapteryx	1	C	C	Green	6	7	5.0	B	Pupa	2.0	1	2	4	0.89
Rheumaptera	3	C	C	Brown	4	9	5.0	B	Pupa	1.0	2	2	3	1
Sabra	1	C	C	Brown	6	7	5.0	A	Pupa	1.0	1	1	1	1
Scopula	9	M	C	Brown	6	5	6.0	W	Larva	1.3	3	4	4	0.6
Scotopteryx	4	C	C	-	8	6	6.3	W	Larva	1.0	1	4	5	0.91
Selenia	3	M	C	Brown	5	8	4.3	B	Pupa	1.7	6	9	10	1
Selidosema	1	M	C	-	8	6	7.0	S	Larva	1.0	3	5	5	0.86
Semiothisa	7	-	C	-	6	7	5.6	W	Pupa	1.6	2	3	4	0
Serraca	1	M	C	Brown	7	9	5.0	B	Pupa	1.0	6	7	7	0.33
Siona	1	M	A	-	6	5	5.0	-	Larva	1.0	3	4	4	0.23
Spargania	1	M	C	Polyphenic	6	7	5.0	-	Pupa	2.0	2	2	2	0.95
Tethea	2	C	C	-	7	10	5.0	A	Pupa	1.0	1	1	3	0.2
Tetheella	1	C	C	Green	7	11	6.0	A	Pupa	1.0	1	2	2	1
Thalera	1	M	C	Green	8	6	7.0	-	Larva	1.0	2	3	3	0
Thera	6	M	C	Green	8	6	6.5	W	Larva	1.5	1	3	3	0
Theria	1	C	C	Polyphenic	3	6	1.0	B	Pupa	1.0	3	4	4	0
Thetidia	1	C	C	Brown	8	5	6.0	A	Larva	1.0	1	4	6	1
Thyatira	1	C	A	-	6	10	5.0	A	Pupa	1.0	1	1	1	1
Timandra	1	C	C	Brown	6	4	5.0	B	Larva	1.5	3	6	7	0.4
Trichopteryx	2	M	C	Green	5	8	3.5	S	Pupa	1.0	3	4	4	1
Triphosa	1	C	C	Green	5	7	8.0	S	Adult	1.0	2	2	3	0.04
Venusia	1	C	C	Green	8	10	6.0	S	Pupa	1.0	2	2	2	1
Xanthorhoe	8	C	C	-	6	6	5.6	S	Pupa	1.5	4	7	7	0.86