Order Family Genus
1 Lepidoptera Geometridae Acasis

 Size (mm²)
 Specimens/Voltinism
 Reference size
 Reference voltinism
 Increase of voltinism with latitudeIntraspecific variability size (%)

 8.6
 2.1
 Hausmann & Viidalepp (2012)
 Hausmann & Viidalepp (2012)
 no
 0.03

		Geometridae	Acasis	appensata		2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.09
	Lepidoptera Lepidoptera	Geometridae	Acasis Almeria	viretata kalischata		4 1.5 1 1.5	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.24
4	Lepidoptera		Amygdaloptera	testaria		2 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.22
5		Geometridae	Anthometra	plumularia	7.1	3 1	Hausmann (2004)	Hausmann (2004)	no	0.38
	Lepidoptera		Anticlea	derivata			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.21
	Lepidoptera	Geometridae Geometridae	Anticollix Antilurga	sparsata alhambrata		2 1 4 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no	0.19 0.18
		Geometridae	Anlasta	ononaria			Hausmann (2001)	Hausmann (2001)	no no	0.10
10	Lepidoptera	Geometridae	Aplocera	annexata	66.4	2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.16
	Lepidoptera		Aplocera	bohatschi			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.24
		Geometridae Geometridae	Aplocera Aplocera	columbata efformata		2 1 3 2	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.12
	Lepidoptera		Aplocera	plagiata			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.24
15	Lepidoptera	Geometridae	Archiearis	notha		3 1	Hausmann (2001)	Hausmann (2001)	no	0.23
		Geometridae	Archiearis	parthenias			Hausmann (2001)	Hausmann (2001)	no	0.2
	Lepidoptera	Geometridae Geometridae	Archiearis Asthena	puella albulata			Hausmann (2001) Hausmann & Viidalepp (2012)	Hausmann (2001) Hausmann & Viidalepp (2012)	no no	0.23
19	Lepidoptera	Geometridae	Asthena	anseraria		2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.22
20	Lepidoptera	Geometridae	Brachyglossina	hispanaria	14.2	3 1	Hausmann (2004)	Hausmann (2004)	no	0.3
21	Lepidoptera	Geometridae	Camptogramma	bilineata		3 2	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.2
	Lepidoptera	Geometridae	Camptogramma Camptogramma	grisescens scripturata			Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.24
		Geometridae	Carsia	lythoxylata		2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.13
25	Lepidoptera	Geometridae	Carsia	sororiata		2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.27
	Lepidoptera		Casilda	antophilaria			Hausmann (2004)	Hausmann (2004)	no	0.24
	Lepidoptera	Geometridae Geometridae	Casilda Cataclysme	consecraria riquata			Hausmann (2004) Hausmann & Viidaleop (2012)	Hausmann (2004) Hausmann & Viidalepp (2012)	no no	0.27
		Geometridae	Cataclysme	uniformata			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.17
		Geometridae	Catarhoe	cuculata permixtaria		3 1 4 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no	0.2
	Lepidoptera Lepidoptera	Geometridae	Catarhoe Catarhoe	rubidata			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no no	0.21
		Geometridae	Chesias	angeri			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	80.0
	Lepidoptera		Chesias	capriata		11	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.22
	Lepidoptera Lepidoptera		Chesias Chesias	isabella legatella			Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.21
		Geometridae	Chesias	rufata			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.18
38	Lepidoptera	Geometridae	Chlorissa	cloraria		5 2	Hausmann (2001)	Hausmann (2001)	no	0.16
	Lepidoptera	Geometridae Geometridae	Chlorissa Chloroclysta	viridata miata			Hausmann (2001) Hausmann & Viidalepp (2012)	Hausmann (2001) Hausmann & Viidalepp (2012)	no no	0.23
		Geometridae	Chloroclysta	siterata		3 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.18
42	Lepidoptera	Geometridae	Chloroclystis	v-ata	17.8	4 1.5	Mironov (2003)	Mironov (2003)	no	0.45
		Geometridae	Cinglis	andalusiaria			Hausmann (2004)	Hausmann (2004)	no	0.16
	Lepidoptera	Geometridae	Cleta Cleta	filacearia perpusillaria			Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.27 0.18
		Geometridae	Cleta	ramosaria		3 1	Hausmann (2004)	Hausmann (2004)	no	0.33
47	Lepidoptera	Geometridae	Coenocalpe	lapidata		2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.17
48	Lepidoptera	Geometridae	Coenocalpe	millierata		2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.16
	Lepidoptera	Geometridae Geometridae	Coenotephria Coenotephria	salicata tophaceata		1 2 2 1.5	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.17
		Geometridae	Colostygia	aptata			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.13
52	Lepidoptera	Geometridae	Colostygia	aqueata			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.32
	Lepidoptera		Colostygia	austriacaria			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.18
		Geometridae Geometridae	Colostygia Colostygia	fitzi kollariaria		1 1 2 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.2 0.16
	Lepidoptera		Colostygia	laetaria		2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.21
	Lepidoptera		Colostygia	olivata			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.12
		Geometridae	Colostygia	pectinataria			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.2
	Lepidoptera Lepidoptera		Colostygia Colostygia	puengeleri sericeata		11	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.13
	Lepidoptera		Colostygia	tempestaria		2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.2
		Geometridae	Colostygia	turbata		3 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.14
63 64	Lepidoptera	Geometridae Geometridae	Colostygia Comibaena	wolfschlaegerae baiularia		3 1 5 1	Hausmann & Viidalepp (2012) Hausmann (2001)	Hausmann & Viidalepp (2012) Hausmann (2001)	no no	0.17
		Geometridae	Comibaena	pseudoneriaria			Hausmann (2001)	Hausmann (2001)	no	0.23
		Geometridae	Cosmorhoe	ocellata	14.1	1 2	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.3
	Lepidoptera		Costaconvexa	polygrammata			Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.19
		Geometridae Geometridae	Cyclophora Cyclophora	albiocellaria albipunctata			Hausmann (2004) Hausmann (2004)	Hausmann (2004)	no no	0.22
	Lepidoptera			aibipunctata						
			Cvclophora	annularia	14.6		Hausmann (2004)	Hausmann (2004) Hausmann (2004)		
71		Geometridae	Cyclophora Cyclophora	hyponoea	18.8	1 2 2 2.5	Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.21
72	Lepidoptera	Geometridae Geometridae	Cyclophora Cyclophora	hyponoea lennigiaria	18.8 19.2	1 2 2 2.5 2 2	Hausmann (2004) Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004) Hausmann (2004)	no no no	0.21 0.22 0.12
72 73	Lepidoptera Lepidoptera	Geometridae Geometridae Geometridae	Cyclophora Cyclophora Cyclophora	hyponoea lennigiaria linearia	18.8 19.2 27.4	1 2 2 2.5 2 2 8 2	Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004)	no no no no	0.21 0.22 0.12 0.21
72 73 74	Lepidoptera Lepidoptera	Geometridae Geometridae Geometridae Geometridae	Cyclophora Cyclophora	hyponoea lennigiaria	18.8 19.2 27.4 23.4	1 2 2 2.5 2 2 8 2 3 2	Hausmann (2004) Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004) Hausmann (2004)	no no no	0.21 0.22 0.12
72 73 74 75 76	Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera	Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae	Cyclophora Cyclophora Cyclophora Cyclophora Cyclophora Cyclophora	hyponoea lennigiaria linearia pendularia porata punctaria	18.8 19.2 27.4 23.4 21.7 27.4	1 2 2 2.5 2 2 8 2 3 2 7 2.5 7 1.5	Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004)	no no no no no no no	0.21 0.22 0.12 0.21 0.26 0.17 0.15
72 73 74 75 76 77	Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera	Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae	Cyclophora Cyclophora Cyclophora Cyclophora Cyclophora Cyclophora Cyclophora Cyclophora	hyponoea lennigiaria linearia pendularia porata punctaria puppillaria	18.8 19.2 27.4 23.4 21.7 27.4 24	1 2 2 2.5 2 2 8 2 3 2 7 2.5 7 1.5 7 3	Hausmann (2004)	Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004)	no no no no no no no no	0.21 0.22 0.12 0.21 0.26 0.17 0.15 0.2
72 73 74 75 76 77 78	Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera	Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae	Cyclophora	hyponoea lennigiaria linearia pendularia porata punctaria puppillaria quercimontaria	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5	1 2 2 2.5 2 2 8 2 3 2 7 2.5 7 1.5 7 3 6 2	Hausmann (2004)	Hausmann (2004)	no no no no no no no no	0.21 0.22 0.12 0.21 0.26 0.17 0.15 0.2
72 73 74 75 76 77 78 79	Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera	Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae	Cyclophora Cyclophora Cyclophora Cyclophora Cyclophora Cyclophora Cyclophora Cyclophora	hyponoea lennigiaria linearia pendularia porata punctaria puppillaria quercimontaria ruficilliaria serveti	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1	1 2 2 2.5 2 2 3 2 7 2.5 7 1.5 7 3 6 2 2 2	Hausmann (2004)	Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004)	no no no no no no no no	0.21 0.22 0.12 0.21 0.26 0.17 0.15 0.2 0.17 0.18 0.21
72 73 74 75 76 77 78 79 80 81	Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera	Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae Geometridae	Cyclophora	hyponoea lennigiaria linearia pendularia porata punctaria puppillaria quercimontaria ruficiliaria serveti suppunctaria	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4	1 2 2 2.5 2 2 2 2 3 3 2 7 2.5 7 1.5 7 3 6 2 2 2 2 7 3	Hausmann (2004)	Hausmann (2004)	no n	0.21 0.22 0.12 0.21 0.26 0.17 0.15 0.2 0.17 0.18 0.21 0.2
72 73 74 75 76 77 78 79 80 81 82	Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera	Geometridae	Cyclophora Docirava	hyponoea lennigiaria linearia pendularia porata punctaria puppillaria quercimontaria ruficiliaria serveti suppunctaria dervenaria	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7	1 2 2 2 2.5 2 2 3 2 7 2.5 7 1.5 7 3 6 2 6 2 2 2 2 2 2 1	Hausmann (2004)	Hausmann (2004)	no n	0.21 0.22 0.12 0.21 0.26 0.17 0.15 0.2 0.17 0.18 0.21 0.2
72 73 74 75 76 77 78 79 80 81 82 83	Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera	Geometridae	Cyclophora	hyponoea lennigiaria linearia pendularia porata punctaria puppillaria quercimontaria ruficiliaria serveti suppunctaria	18.8 19.2 27.4 23.4 21.7 27.4 24 29.5 30 9.1 28.4 37.7 25.4	1 2 2 2.5 2 2 2 8 2 3 2 7 2.5 7 1.5 7 3 6 2 2 2 2 7 3 3 6 6 2 2 2 1 6 1	Hausmann (2004)	Hausmann (2004) Hausmann & Wildalepp (2012)	no n	0.21 0.22 0.12 0.21 0.26 0.17 0.15 0.2 0.17 0.18 0.21 0.2 0.2 0.22
72 73 74 75 76 77 78 79 80 81 82 83 84	Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera	Geometridae	Cyclophora	hyponoea lennigiaria linearia pendularia pendularia porata punctaria puppillaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata infuscata latefasciata	18.8 19.2 27.4 23.4 21.7 27.4 24.4 19.5 30 9.1 37.7 25.4 39.3 39.3 32.4	1 2 2 2 5 2 2 2 8 2 2 7 1 .5 7 3 6 2 2 2 2 2 1 6 1 2 2 1 2 1	Hausmann (2004) Hausmann (2014)	Hausmann (2004) Hausmann & Widalepp (2012) Hausmann & Widalepp (2012) Hausmann & Widalepp (2012) Hausmann & Widalepp (2012)	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.17 0.18 0.21 0.2 0.22 0.17 0.33 0.3
72 73 74 75 76 77 78 79 80 81 82 83 84 85	Lepidoptera Lepidoptera	Geometridae	Cyclophora Dycstroma Dysstroma Dysstroma Dysstroma Dysstroma	hyponoea lennigiaria linearia pendularia porotata punctaria puppiliaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata infuscata latefasciata truncata	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7 25.4 39.3 39.3 30.4 26.4	1 2 2 2 5 2 2 2 8 2 2 7 3 2 5 5 6 2 6 2 2 2 7 3 2 1 1 2 2 1 2 1 2 3 2 2	Hausmann (2004) Hausmann (2014) Hausmann (2016)	Hausmann (2004) Hausmann & Wiidalepp (2012) Hausmann & Wiidalepp (2012) Hausmann & Wiidalepp (2012) Hausmann & Wiidalepp (2012)	no n	0.21 0.22 0.12 0.21 0.26 0.17 0.15 0.2 0.17 0.18 0.21 0.2 0.27 0.17 0.33 0.3 0.25
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87	Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma	hyponoea lennigiaria linnearia pendularia pendularia pendularia pendularia punctaria punctaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata influscata latefasciata truncata badiata	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 30, 9.1 37.7 25.4 39.3 32.4 26.4 25.4	1 2 2 2 5 2 2 2 8 2 2 7 2 .5 5 7 1 .5 7 3 6 2 6 2 2 2 7 3 2 1 2 2 1 2 2 1	Hausmann (2004) Hausmann (2014) Hausmann (2012) Hausmann & Viidalepp (2012)	Hausmann (2004) Hausmann & Midalepp (2012)	no n	0.21 0.22 0.12 0.21 0.26 0.17 0.15 0.2 0.17 0.18 0.21 0.2 0.17 0.33 0.3 0.25 0.24
72 73 74 75 76 77 78 89 80 81 82 83 84 85 86 87	Lepidoptera Lepidoptera	Geometridae	Cyclophora Dycstroma Dysstroma Dysstroma Dysstroma Dysstroma	hyponoea lennigiaria linearia pendularia porotata punctaria puppiliaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata infuscata latefasciata truncata	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7 25.4 39.3 30.3 32.4 26.4 25.4	1 2 2 2 5 2 2 2 8 2 2 7 2 .5 5 7 1 .5 7 3 6 2 2 2 7 2 3 1 6 1 2 1 2 1 3 2 2 1 1 1	Hausmann (2004) Hausmann (2014) Hausmann (2016)	Hausmann (2004) Hausmann & Wiidalepp (2012) Hausmann & Wiidalepp (2012) Hausmann & Wiidalepp (2012) Hausmann & Wiidalepp (2012)	no n	0.21 0.22 0.12 0.21 0.26 0.17 0.15 0.2 0.17 0.18 0.21 0.2 0.27 0.17 0.33 0.3 0.25
72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90	Lepidoptera Lepidoptera	Geometridae	Cyclophora Docirava Dysstroma Dysstroma Dysstroma Dysstroma Earophila Eciliptopera Eciliptopera Eciliptopera	hyponoea leanigiaria linearia pendularia pendularia pendularia pendularia pendularia punctaria puppililaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata infuscata latefasciata truncata badiata capitata silaceata corylata	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7 25.4 39.3 30.3 32.4 26.4 25.4 21 26.6 31.2	1 2 2 2.5 2 2 2 8 2 3 3 2 7 2.5 7 1.5 7 7 3 6 2 2 2 2 2 7 3 3 2 2 1 2 1 2 2 1 2 2 1 2 2 1 4 1 1 2 2 2 4 4 1	Hausmann (2004) Hausmann & Vilidalepp (2012)	Hausmann (2004) Hausmann (2005) Hausmann (2006) Hausmann (20012) Hausmann & Vilidalepp (2012)	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.18 0.21 0.2 0.22 0.17 0.33 0.3 0.3 0.25 0.24 0.15 0.25
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 99 90	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Ecilptopera Ecilptopera Ecilptopera Electrophaes Electrophaes	hyponoea leaniglaria linearia pendularia porata pupularia quecimontaria ruficiliaria seveti ruficiliaria seveti suppunctaria dervenaria citrata infuscata latefascata truncata badiata capitata silaceata conjutata pygmeeria	18.8 19.2 27.4 23.4 21.7 24. 24. 30. 9.1 19.5 30. 9.1 25.4 30. 32.4 26.4 25.4 26.6 31.2 5.9	1 2 2 2.5 2 2 2 3 2 2 3 3 2 7 2.5 7 7.1.5 7 7 3 6 6 2 2 2 2 2 2 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 4 1 2 2 2 2	Hausmann (2004)	Hausmann (2004) Hausmann & Midalepp (2012)	no n	0.21 0.22 0.12 0.26 0.17 0.18 0.21 0.22 0.17 0.33 0.3 0.25 0.24 0.12 0.12 0.12
72 73 74 75 76 77 78 79 80 81 81 82 83 84 85 86 87 88 89 90 91 91	Lepidoptera Lepidoptera	Geometridae	Cyclophora Docirava Dysstroma Dysstroma Dysstroma Dysstroma Earophila Eciliptopera Eciliptopera Eciliptopera	hyponoea leanigiaria linearia pendularia pendularia pendularia pendularia pendularia punctaria puppililaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata infuscata latefasciata truncata badiata capitata silaceata corylata	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7 25.4 39.3 32.4 26.4 25.4 21 26.6 31.2 29.2	1 2 2 2.5 2 2 2 3 2 2 5 3 2 5 7 2.5 7 7 3 6 6 2 2 2 2 7 3 3 2 1 1 2 2 1 1 1 1 2 2 2 4 4 1 2 2 2 4 4 1	Hausmann (2004) Hausmann & Vilidalepp (2012)	Hausmann (2004) Hausmann (2005) Hausmann (2006) Hausmann (20012) Hausmann & Vilidalepp (2012)	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.18 0.21 0.2 0.17 0.33 0.3 0.25 0.24 0.15 0.25
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94	Lepidoptera Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophia Earlophia Eilptopera Eilptopera Eilptopera Eilptopera Eilptopera Eilptopera Eintelphia Entephia Entephia	hyponoea lennigiaria linearia pendularia linearia pendularia porata pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria ruficiliaria serveti suppunctaria citrata infuscata latefasciata truncata badiata capitata silaceata corylata pygmearia ceesiata contestata cyanata	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7 25.4 39.3 32.4 26.4 25.4 21 26.6 31.2 29.2 38.2 38.2 36.4	1 2 2 2.5 2 2 2 3 3 2 5 7 2.5 5 7 3 6 2 6 2 2 2 2 1 6 6 2 2 2 2 1 3 2 2 1 1 1 2 2 1 4 1 2 2 1 2 1 2 1 2 1 2	Hausmann (2004) Hausmann & Viidalepp (2012) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann & Viidalepp (2012)	Hausmann (2004) Hausmann & Viidalepp (2012) Hausmann (2004) Hausmann (2004) Hausmann (2004) Hausmann & Viidalepp (2012)	no n	0.21 0.22 0.21 0.26 0.15 0.2 0.17 0.18 0.21 0.2 0.27 0.33 0.3 0.25 0.24 0.12 0.15 0.2 0.17
72 73 74 75 76 77 77 88 90 81 82 83 84 85 86 87 88 89 90 91 92 93 93 94 95	Lepidoptera	Geometridae	Cyclophora Electrophora Electrophora Electrophora Electrophia Entephria Entephria Entephria Entephria Entephria	hyponoea leanigiaria lienaria pendularia lienaria pendularia porata pupuliaria quercimontaria ruficiliaria saveti ciriata ciriata infuscata badiata capitata capitata conjetata conjetata conjetata cyanata filavata cyanata filavata	18.8 19.2 27.4 23.4 21.7 24.4 24.5 30 9.1 19.5 30 9.1 25.4 30.3 32.4 42.6 4.3 25.4 26.6 31.2 26.6 31.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2012) Hausmann & Viidalepp (2012)	Hausmann (2004)	no n	0.21 0.22 0.21 0.26 0.17 0.26 0.17 0.18 0.2 0.21 0.2 0.21 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
72 73 74 75 76 76 77 78 80 81 81 82 83 84 85 86 87 88 99 90 91 92 93 94 94 95 96 97	Lepidoptera	Geometridae	Cyclophora Ecliphora Ecliphora Ecliphora Ecliphora Ecliphora Ecliphora Ecliphora Ecliphora Entephria	hyponoea lennigiaria lienaria lennigiaria lienaria lennigiaria lienaria pendularia porata pupililaria quercimontaria ruficiliaria savepunctaria dervenaria ciritata infuscata truncata badiata capitata conjetata conjetata conjetata lienaria consistenta flavicinciata flavicinciata flavicinciata infuscata flavicinciata infuscata flavicinciata infuscata caesiata cyanata flavicinciata infidaria	18.8 19.2 27.4 23.4 21.7 24.4 24.5 30 9.1 28.4 39.3 39.3 39.4 26.4 25.4 21.6 6.6 31.2 29.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2012) Hausmann & Viidalepp (2012)	Hausmann (2004)	no n	0.21 0.22 0.21 0.26 0.17 0.15 0.2 0.21 0.22 0.17 0.2 0.22 0.17 0.3 0.3 0.25 0.24 0.12 0.12 0.12 0.12 0.2 0.12 0.2 0.2 0.12 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.
72 73 74 75 76 677 78 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Ecliptopera Electrophaes Emithis Entephria	hyponoea leanigiaria lienaria lennigiaria lienaria pendularia pendularia puratria puppillaria quercimontaria ruficiliaria serveti suppunctaria citrata infuscata latefasciata truncata badiata capitata silaceata conjetata flavata flavata flavata flavata flavata prygmaearia caesiata contestata cyanata flavata flavata prolata pr	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 25.4 39.3 32.4 26.4 25.4 21 26.6 25.4 21 26.6 25.4 21 26.2 21 26.2 21 29.2 38.2 29.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38	1 2 2 2 2 2 3 2 2 3 2 3 2 3 2 3 2 3 2 3	Hausmann (2004) Hausmann & Viidalepp (2012)	Hausmann (2004) Hausmann & Viidalepp (2012)	no n	0.21 0.22 0.21 0.26 0.17 0.15 0.2 0.17 0.18 0.21 0.2 0.17 0.3 0.25 0.24 0.15 0.2 0.17 0.3 0.3 0.25 0.12 0.15 0.2 0.17 0.17 0.17 0.17 0.19 0.2 0.17 0.17 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19
72 73 74 75 76 76 76 77 78 80 81 81 81 81 81 85 86 86 87 89 90 90 91 91 92 93 94 95 96 96 97 98 98	Lepidoptera	Geometridae	Cyclophora Dysastroma Dysastroma Dysastroma Dysastroma Dysastroma Dysastroma Cyclophora Eciptopera Entephria	hyponoea lennigiaria lienaria lennigiaria lienaria lennigiaria lienaria pendularia porata puppililaria quercimontaria ruficiliaria savepunctaria dervenaria citrata influscata truncata badiata capitata conjetata conjetata conjetata lienaria consistenta proposaria caesiata cyanata flavicincitata influscata polata polata polata punctipes	18.8 19.2 27.4 21.7 22.4 21.7 24 19.5 30 9.1 28.4 30.3 32.4 25.4 26.6 31.2 26.6 31.2 26.6 31.2 27.8 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38	1 2 2 2.5 2 2 2 3 2 7 1.5 7 7 3 6 2 2 2 2 7 7 3 6 2 2 2 2 7 3 2 2 1 1 1 2 2 1 2 1 2 2 1 4 1 2 2 1 2 2 1 4 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2004	no n	0.21 0.22 0.21 0.26 0.17 0.15 0.2 0.17 0.18 0.21 0.2 0.22 0.17 0.2 0.2 0.3 0.3 0.2 0.2 0.12 0.12 0.12 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.
72 73 74 75 76 77 78 8 79 80 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 94 95 96 97 98 99	Lepidoptera Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Ecliptopera Electrophaes Emithis Entephria	hyponoea leanigiaria lienaria lennigiaria lienaria pendularia pendularia puratria puppillaria quercimontaria ruficiliaria serveti suppunctaria citrata infuscata latefasciata truncata badiata capitata silaceata conjetata flavata flavata flavata flavata flavata prygmaearia caesiata contestata cyanata flavata flavata prolata pr	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7 25.4 39.3 32.4 26.4 25.4 21 26.6 31.2 29.2 38.2 36.4 27.8 29.2 38.2 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann & Viidalepp (2012)	no n	0.21 0.22 0.21 0.26 0.17 0.15 0.2 0.17 0.18 0.21 0.2 0.17 0.3 0.25 0.24 0.15 0.2 0.17 0.3 0.3 0.25 0.12 0.15 0.2 0.17 0.17 0.17 0.17 0.19 0.2 0.17 0.17 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19
72 73 74 75 76 77 78 88 89 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 99 90 100 100 100 100 100 100 100 10	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Earlophia Earlophia Entephia	hyponoea lennigiaria linearia lennigiaria linearia pendularia pendularia pupuliaria pupuliaria pupuliaria pupuliaria quercimontaria ruficiliaria serveti suppunctaria citrata infuscata latefasciata truncata badiata capitata silaceatia conjutata prygmaearia caesiata contestata cyanata flavata punctipes sabinata diversata alternata alternata	18.8 19.2 27.4 23.4 21.7 24.4 24.1 19.5 30 9.1 28.4 26.4 25.4 26.4 25.4 21 26.6 21 26.2 21 26.2 21 26.2 21 26.2 21 26.2 21 20.2 22.2 23.6 23.2 23.2 24.2 25.4 27.2 28.4 27.4 28.4 28.4 28.4 28.4 28.4 28.4 28.4 28	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann & Viidalepp (2012)	Hausmann (2004) Hausmann (2007)	no n	0.21 0.22 0.21 0.21 0.21 0.26 0.17 0.15 0.2 0.21 0.2 0.21 0.2 0.22 0.17 0.30 0.25 0.24 0.15 0.2 0.20 0.15 0.2 0.20 0.15 0.2 0.15 0.2 0.2 0.15 0.2 0.2 0.15 0.2 0.2 0.15 0.2 0.2 0.2 0.2 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3
72 73 73 74 75 76 77 78 8 79 80 81 82 83 84 85 86 86 87 88 89 90 91 91 92 93 94 49 95 96 96 97 98 99 100 1100 1100 1100 1100 1100 1100	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Cyclophora Electrophora Electrophora Electrophora Electrophora Electrophora Electrophora Entephria Epitrophia	hyponoea leanigiaria lienaria leanigiaria lienaria leanigiaria lienaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria supunctaria supunctaria supunctaria supunctaria supunctaria supunctaria latefasciata truncata badiata badiata badiata poli pube pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria puliaria puliaria puliaria puliaria puliaria puliaria puliaria diversata alternata galiata diversata alternata galiata	18.8 19.2 27.4 21.7 22.3 21.7 22.7 24 19.5 30 9.1 28.4 39.3 30.3 32.4 25.4 4 25.4 30.3 30.3 32.4 4 25.4 30.3 30.3 32.4 4 25.4 30.3 30.3 30.3 30.3 30.3 30.3 30.3 30	1 2 2 2.5 2 2 2 3 2 7 1.5 7 3 6 2 2 2 2 3 2 7 1.5 7 3 6 2 2 2 2 3 2 1 1 1 2 2 1 2 1 2 2 1 4 1 1 2 2 1 2 1	Hausmann (2004)	Hausmann (2004) Hausmann (2006) Hausmann (2006	no n	0.21 0.22 0.21 0.21 0.26 0.17 0.15 0.2 0.17 0.2 0.17 0.2 0.17 0.3 0.2 0.17 0.3 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.3 0.2 0.2 0.17 0.2 0.17 0.2 0.2 0.17 0.2 0.2 0.17 0.2 0.2 0.17 0.2 0.2 0.17 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
72 73 74 75 76 77 78 80 81 82 283 84 44 85 86 87 88 99 91 92 93 39 94 95 96 99 91 90 91 91 91 91 91 91 91 91 91 91 91 91 91	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Ecliptopera Elelctopera Elelctopera Electrophaes Emmilhis Entephria	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pendularia porata puppillaria quercimontaria ruficiliaria serveti suppunctaria citrata infuscata latefasciata truncata badiata capitata silaceata contestata cynata flaviaria flaviaria flaviaria lindidaria polata punctipes sabinata diversata altemata galiata galiata punctipes sabinata diversata altemata galiata galiata paliata punctipes sabinata diversata alternata galiata hastulata	18.8 19.2 27.4 23.4 21.7 24.4 24 19.5 30 9.1 28.4 26.4 25.4 39.3 32.4 26.4 25.4 21 26.6 25.4 21 26.6 25.4 21 26.6 25.4 21 26.6 27.8 29.2 29.2 38.2 29.2 38.2 40.7 40.7 40.7 40.7 40.7 40.7 40.7 40.7	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann & Viidalepp (2012)	Hausmann (2004) Hausmann (2007)	no n	0.21 0.22 0.21 0.21 0.26 0.17 0.15 0.2 0.17 0.2 0.21 0.2 0.17 0.3 0.2 0.22 0.17 0.3 0.2 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.12 0.2 0.2 0.12 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.
72 73 74 75 76 77 78 80 81 82 83 84 85 85 89 90 90 91 92 93 94 94 96 96 96 96 96 96 96 96 96 96 96 96 96	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Ecliptopera Elelctopera Elelctopera Electrophaes Emmillis Entephria	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pendularia porata puppillaria quercimontaria ruficiliaria serveti suppunctaria citrata infuscata latefasciata truncata badiata capitata silaceata conjutata propriata propriat	18.8 19.2 27.4 23.4 21.7 24.4 24.5 30 9.1 28.4 25.4 39.3 30.4 26.4 25.4 21.2 26.4 25.4 21.2 26.4 25.4 21.2 26.2 21.2 26.2 21.2 26.2 21.2 20.2 20.2 20.2 20.2 20.2 20.2 20	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2007) Hausmann (2007) Hausmann (2007) Hausmann (2007) Hausmann (2012)	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.17 0.18 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.19 0.2 0.19 0.2 0.19 0.19 0.2 0.19 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
72 73 74 75 76 76 77 78 87 79 80 81 18 82 83 88 89 99 11 10 10 10 10 10 10 10 10 10 10 10 10	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Earophila Earophila Earophila Entephria Epilroboe Epilrinoe Epilrinoe Epilrinoe Epilrinoe Epilrinoe	hyponoea lennigiaria lienaria lennigiaria lienaria lennigiaria lienaria pendularia porata puppillaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata dervenaria citrata infuscata latefasciata truncata badiata capitata silaceata pygmaearia caesiata contestata flavicinata flavicinctata infidaria polata pupillaria polata alternata galiata hastulata molluginata pupillata rivata	18.8 19.2 27.4 21.7 24 19.5 30 9.1 28.4 37.7 25.4 39.3 30.3 32.4 26.4 25.4 26.4 25.4 26.4 27.8 28.2 28.2 28.2 28.2 28.2 28.2 28.2	1 2 2 2.5 2 2 2 3 2 7 1.5 3 7 2.5 5 7 1.5 7 3 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2006) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.21 0.21 0.21 0.27 0.17 0.15 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.19 0.2 0.19
72 73 74 75 76 76 76 76 77 77 78 81 82 82 83 84 44 85 86 89 90 91 10 10 10 10 10 10 10 10 10 10 10 10 10	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Earophila Earlephia Entephia	hyponoea lennigiaria linearia lennigiaria linearia pendularia porata pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria quercimontaria ruficiliaria serveti suppunctaria cirrata infuscata latefasciata truncata badiata capitata silaceata conjetata pinguaeria caesiata contestata cyanata fiavata fiavata punctipes sabinata diversata altemata galiata molluginata punctipes sabinata molluginata punctipes sabinata molluginata pupiliata molluginata pupiliata molluginata sandosaria	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7 25.4 39.3 32.4 26.4 25.4 21 26.6 25.4 21 26.6 25.4 21 26.6 27.8 29.2 38.2 29.2 38.2 4 27.8 29.2 30.3 20.4 20.4 20.4 20.4 20.4 20.4 20.4 20.4	1 2 2 2 2 2 2 2 3 2 2 7 2 1 5 3 2 2 2 2 3 3 2 7 3 1 5 3 2 2 2 2 3 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 3 2 3 2 3	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2007) Hausmann (2007) Hausmann (2007) Hausmann (2007) Hausmann (2012) Hausmann (2012	no n	0.21 0.22 0.12 0.21 0.21 0.21 0.25 0.17 0.2 0.17 0.2 0.2 0.17 0.2 0.2 0.17 0.2 0.2 0.15 0.2 0.2 0.17 0.2 0.2 0.17 0.2 0.2 0.2 0.2 0.15 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.3 0.3 0.3 0.3 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
72 73 74 75 76 76 76 76 77 77 78 81 82 83 83 84 85 86 87 79 90 100 101 101 101 101 101 101 101 101	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Earophila Earophila Earophila Entephria Epilroboe Epilrinoe Epilrinoe Epilrinoe Epilrinoe Epilrinoe	hyponoea lennigiaria lienaria lennigiaria lienaria lennigiaria lienaria pendularia porata puppillaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata dervenaria citrata infuscata latefasciata truncata badiata capitata silaceata pygmaearia caesiata contestata flavicinata flavicinctata infidaria polata pupillaria polata alternata galiata hastulata molluginata pupillata rivata	18.8 19.2 27.4 21.7 22.3 21.7 22.4 24 19.5 30 9.1 28.4 25.4 25.4 25.4 26.4 25.4 26.4 25.4 26.4 25.4 26.4 25.4 26.4 27.8 28.2 28.2 28.2 28.2 28.2 28.2 28.2	1 2 2 2 2 2 2 3 2 2 3 2 3 2 7 3 1 5 5 6 2 2 2 2 3 3 2 7 3 1 5 5 6 2 2 2 2 3 3 2 1 3 3 3 1 3 3 3 1 3	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2012) Hausmann (2014) Hausmann (2014	no n	0.21 0.22 0.12 0.26 0.17 0.18 0.20 0.27 0.19 0.20 0.21 0.20 0.21 0.20 0.21 0.20 0.21 0.20 0.21 0.20 0.21 0.20
72 73 74 75 76 76 76 76 77 78 8 78 78 78 78 8 8 8 8	Lepidoptera	Geometridae	Cyclophora Electrophora Earophila Earophila Earophila Earophila Entephria Epiirhoe	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pendularia porata puppiliaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata dervenaria citrata badiata capitata silaceata latel'asciata truncata badiata capitata silaceata pygmaearia caesiata conjetata pygmaearia caesiata conjetata flavicincitata infidaria polata pupiliata ritura di puncipes sabinata diversata alternata pupiliata rivata sandosaria tartuensis autumnata christyi christyi i	18.8 19.2 27.4 21.7 27.4 24 19.5 30 9.1 28.4 25.4 26.4 25.4 26.4 26.4 27.8 28.2 28.2 28.2 28.2 28.2 28.2 28.2	1 2 2 2.5 2 2 2 8 8 2 3 2 7 1.5 7 3 6 2 2 2 7 3 5 6 2 6 2 2 2 7 3 2 7 1.5 7 3 6 2 2 1 3 2 2 1 1 1 1 2 2 1 2 2 1 4 1 2 2 1 2 2 1 4 1 1 2 2 1 2 2 1 4 1 1 2 2 1 2 1	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2006) Hausmann (2006) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.17 0.18 0.21 0.25 0.22 0.22 0.22 0.22 0.25 0.24 0.30 0.25 0.24 0.21 0.29 0.30 0.21 0.41 0.20 0.21 0.30 0.25 0.41
72 73 74 76 76 76 78 80 81 82 83 84 85 86 87 99 99 92 92 92 93 99 99 99 99 99 90 100 101 102 103 105 105 105 105 105 105 105 105 105 105	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Ecliptopera Ecliptopera Elelctopera Elelctopera Elelctopera Electrophas Entephria Epirribo	hyponoea lennigiaria linearia pendularia linearia pendularia porata pupuliaria quercimontaria ruficiliaria serveti suppunctaria puppiliaria quercimontaria ruficiliaria serveti suppunctaria citrata infuscata latefasciata truncata badiata capitata silaceata conjutata videa della pendularia popularia popularia popularia pendularia filaria silaceata contestata contestata cyanata filavata filavata infidaria polata punctipes sabinata diversata alternata galiata hastulata molluginata pupiliata rivata sandosaria tartuensis autumnata christyi dillutata	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 25.4 25.4 26.4 25.4 26.4 25.4 27.8 29.2 38.2 29.2 38.2 29.2 38.2 29.2 38.2 29.2 38.2 20.2 20.6 40.7 48.4 27.8 20.2 20.2 20.6 20.6	1 2 2 2 2 2 2 3 2 2 7 2 1 5 3 2 2 1 1 1 2 2 1 2 2 1 2 2 2 2 3 3 2 2 7 3 3 2 3 2 1 1 1 2 2 1 2 2 1 2 1 3 3 1 1 2 3 3 1 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 3 1 3	Hausmann (2004) Hausmann (2007) Hausmann (2007	Hausmann (2004) Hausmann (2007) Hausmann (2012) Hausmann (2014) Hausmann (2014) Hausmann (2016) Hausmann (2016	no n	0.21 0.22 0.12 0.26 0.17 0.18 0.2 0.17 0.18 0.2 0.17 0.3 0.25 0.2 0.2 0.2 0.2 0.3 0.2 0.2 0.2 0.3 0.2 0.2 0.2 0.3 0.2 0.2 0.3 0.2 0.2 0.3 0.2 0.2 0.3 0.2 0.3 0.3 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3
72 73 74 75 76 76 76 77 77 88 81 82 83 84 48 86 86 86 89 90 90 91 100 101 102 103 104 106 106 106 106 107 108 110 111 1112 113 113 113 113	Lepidoptera	Geometridae	Cyclophora Electrophora Earophila Earophila Earophila Earophila Entephria Epiirhoe	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pendularia porata puppiliaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata dervenaria citrata badiata capitata silaceata latel'asciata truncata badiata capitata silaceata pygmaearia caesiata conjetata pygmaearia caesiata conjetata flavicincitata infidaria polata pupiliata ritura del deversata alternata alternata sandosaria tartuensis autumnata christyi christyi i	18.8 19.2 27.4 24 21.7 28.4 29.1 19.5 30 9.1 28.4 25.4 25.4 26.4 25.4 26.4 27.3 30.3 32.4 26.4 27.3 30.3 32.4 28.4 27.3 28.4 27.3 28.4 27.3 28.4 27.3 28.6 28.8 28.8 28.8	1 2 2 2.5 2 2 2 3 2 7 1.5 3 3 6 2 2 6 2 2 2 2 3 2 2 1 2 3 2 2 1 2 3 2 2 1 2 1	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2006) Hausmann (2006) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.17 0.18 0.21 0.25 0.22 0.22 0.22 0.22 0.25 0.24 0.30 0.25 0.24 0.21 0.29 0.30 0.21 0.41 0.20 0.21 0.30 0.25 0.41
72 73 74 75 76 76 76 77 77 88 81 82 83 84 48 86 86 86 89 90 90 91 100 101 102 103 104 41 115 113 114 115	Lepidoptera	Geometridae	Cyclophora Earophila Earophila Earophila Earophila Entephila Epiirhoe	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pupuliaria purata pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata supounctaria tatefasciata truncata badiata capitata silaceata silaceata silaceata pygmaearia caesiata contestata contestata contestata flavata lindiaria punitata pupiliata indiaria alternata salucata laternata salucata alternata sandosaria tartuensis autumnata christyi dilutata sandosaria tartuensis autumnata christyi dilutata indigenata nebulata indigenata	18.8 19.2 27.4 21.7 27.4 24 19.5 30 9.1 28.4 25.4 26.4 25.4 26.4 26.4 27.3 30.2 26.4 26.4 27.8 30.3 32.4 26.4 27.8 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38	1 2 2 2.5 2 2 2 8 8 2 3 2 7 1.5 7 3 6 2 2 2 6 6 1 2 2 1 3 2 1 3 2 1 1 1 2 2 1 3 2 1 1 1 1	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2006) Hausmann (2006) Hausmann (2007) Hausmann (2007	100 100 100 100 100 100 100 100 100 100	0.21 0.22 0.12 0.26 0.17 0.28 0.17 0.29 0.17 0.20 0.17 0.20 0.17 0.20 0.17 0.20 0.17 0.20 0.17 0.20 0.17 0.20 0.17 0.20 0.21 0.20 0.21 0.20 0.21 0.20 0.21 0.20 0.21 0.20 0.21 0.20 0.20
72 73 74 76 76 76 78 80 81 82 83 84 85 86 86 90 91 91 92 92 92 93 94 94 102 103 105 105 105 105 105 105 105 105 105 105	Lepidoptera Lepido	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Ecliptopera Ecliptopera Ecliptopera Ecliptopera Ecliptopera Ecliptopera Entephria Epirribo Ep	hyponoea lennigiaria linearia pendularia lennigiaria linearia pendularia porata pupuliaria purata pupuliaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata infuscata latefasciata truncata badiata capitata silaceata conylata pygmearia caesiata contestata cyanata flavata flavata flavata flavata flavata flavata molluginata punctipes sabinata diversata atternata galiata hastulata molluginata pupiliata rivata sandosaria tartuensis autumnata christyi dillutaria filigrammaria nebulata indigenata mellinata mellinata mellinata	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7 25.4 39.3 32.4 26.4 25.4 21.2 26.6 31.2 29.2 38.2 29.2 38.2 29.2 38.2 30.3 21.2 21.5 21.1 22.2 23.6 4 27.8 23.9 30.3 21.2 21.2 23.9 23.9 23.9 23.9 24.8 24.6 26.7 29.9 29.9 20.9 21.1 20.9 21.1 20.9 20.9 21.1 21.1 21.1 21.1 21.1 21.1 21.1 21	1 2 2 2 2 2 3 2 2 3 2 3 2 7 3 1 5 5 2 5 2 1 1 1 2 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 5 5 2 5 5 1 1 1 5 5 2 1 5 1 1 1 1	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2006) Hausmann (2006) Hausmann (2006) Hausmann (2007) Hausmann (2006) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.17 0.18 0.27 0.19 0.20 0.17 0.21 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.19 0.25 0.24 0.25 0.25 0.24 0.27 0.27 0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.29
72 73 74 75 76 76 76 77 77 88 81 82 83 84 48 86 86 86 87 90 90 90 90 90 90 90 90 90 90 90 90 90	Lepidoptera	Geometridae	Cyclophora Earophila Earophila Earophila Earophila Earophila Entephria Epilrope Epilrinoe Epilr	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pendularia porata puppiliaria quercimontaria ruficiliaria serveti suppunctaria eleveraria citrata dervenaria citrata badiata capitata silaceata contestata contestata contestata contestata flavata flavata lateriaria di flavata pendularia flavata pendularia flavata sandosaria tartuensia autumata chistyi dilutata sandosaria tartuensis autumata chistyi dilutata indigiaria nebulata indigiaria nepliponensiaca	18.8 19.2 27.4 24 21.7 27.4 24 19.5 30 9.1 28.4 25.4 26.4 25.4 26.4 27.3 30.3 32.4 26.4 27.3 30.3 32.4 26.4 27.3 38.3 32.2 28.3 38.3 29.2 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20	1 2 2 2.5 2 2 3 2 7 1.5 7 3 6 2 2 2 7 3 5 6 2 6 2 2 2 7 3 2 7 1.5 7 3 6 2 2 2 7 3 2 7 1.5 7 3 6 2 2 2 7 3 2 7 1 1 1 2 2 1 3 2 2 1 1 1 1 2 2 2 1 2 1 2	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2006) Hausmann (2006) Hausmann (2006) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.17 0.18 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.17 0.2 0.10 0.2 0.2 0.10 0.2 0.2 0.10 0.2 0.2 0.2 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3
72 73 74 76 76 76 78 80 81 82 83 84 85 86 87 88 89 90 90 91 91 92 92 93 93 94 94 102 102 103 104 104 104 105 105 105 105 105 105 105 105 105 105	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Ecliptopera Ecliptopera Elelctopera Elelctopera Elelctopera Elelctophia Entephria Epirribo	hyponoea lennigiaria linearia pendularia lennigiaria linearia pendularia porata pupuliaria purata pupuliaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata infuscata latefasciata truncata badiata capitata silaceata conylata pygmearia caesiata contestata cyanata flavata flavata flavata flavata flavata flavata molluginata punctipes sabinata diversata atternata galiata hastulata molluginata pupiliata rivata sandosaria tartuensis autumnata christyi dillutaria filigrammaria nebulata indigenata mellinata mellinata mellinata	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 25.4 25.4 26.4 25.4 26.4 25.4 27.8 28.2 29.2 38.2 29.2 38.2 29.2 38.2 29.2 38.2 20.2 20.6 40.7 48.4 27.8 20.2 20.2 20.6 20.2 20.2	1 2 2 2 2 2 2 3 2 2 7 2 1 5 3 2 1 1 1 2 2 1 2 1 1 5 5 2 5 1 1 1 1 1 1	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.17 0.18 0.17 0.18 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.17 0.22 0.19 0.25 0.24 0.25 0.27 0.27 0.27 0.27 0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.29
72 73 74 76 76 76 78 80 81 82 83 84 84 85 86 86 89 90 91 92 93 93 94 100 101 101 105 106 106 106 107 108 109 109 101 101 101 101 101 101 101 101	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Ecliptopera Entephria Epirribo	hyponoea lennigiaria linearia pendularia linearia pendularia porata pupuliaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata infuscata latefasciata truncata badiata capitata silaceata contestata cynata flaviaria lindigiaria serveti suppunctaria dervenaria citrata infuscata latefasciata truncata badiata capitata silaceata contestata cynyamaearia caesiata contestata cynata flaviaria flaviaria flaviaria flaviaria flaviaria punctipes sabinata diversata alternata galiata molluginata punctipes sabinata chiristyi dilutata molluginata pupiliata rivata sandosaria tartuensis autumnata christyi dilutata indigenata mebulata indigenata mellinata peloponnesiaca populata prunata pyropata	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7 25.4 39.3 32.4 26.4 25.4 21.1 26.6 31.2 29.2 38.2 29.2 38.2 29.2 38.2 30.3 21.2 21.5 21.1 22.2 23.6 4 27.8 23.9 30.3 21.2 21.5 21.5 21.5 21.5 21.5 21.5 21.5	1 2 2 2 2 2 3 2 2 7 2 1 5 3 2 2 2 2 3 3 2 7 3 1 5 3 2 2 2 2 3 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2012) Hausmann (2012	no n	0.21 0.22 0.12 0.26 0.27 0.17 0.15 0.2 0.17 0.2 0.17 0.3 0.3 0.2 0.17 0.2 0.17 0.3 0.3 0.2 0.17 0.18 0.2 0.17 0.19 0.2 0.17 0.19 0.2 0.17 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19
72 73 74 75 76 76 76 76 77 77 88 81 82 83 84 48 86 86 86 87 99 00 91 10 10 11 11 11 11 11 11 11 11 11 11 11	Lepidoptera	Geometridae	Cyclophora Earophila Earophila Earophila Earophila Earlophila Entephila E	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pupuliaria purata pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria quercimontaria ruficiliaria serveti suppunctaria citrata survetta suppunctaria citrata badiata badiata badiata badiata silaceata conjetata silaceata conjetata silaceata conjetata pupuliaria pupuliaria pupuliaria pupuliaria punctipa sabinata haliaria pupuliaria punctipa sabinata pupuliaria pupuliaria pupuliaria pupuliaria rebulata indidaria sandosaria tartuensis autumnata chistyi dilutata mellinata peloponnesiaca populata prunata propopata testata testata testata testata testata testata propopata testata testata testata propopata testata testat	18.8 19.2 27.4 21.7 22.4 21.7 24 29.1 19.5 30 9.1 28.4 25.4 25.4 26.4 25.4 26.4 25.4 26.4 27.8 38.2 28.3 30.2 29.2 20.6 27.8 20.6 27.8 20.6 27.8 20.6 27.8 20.6 27.8 20.6 20.6 20.6 20.6 20.6 20.6 20.6 20.6	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2007) Hausmann (2007	Hausmann (2004) Hausmann (2007) Hausmann (2007	100 100 100 100 100 100 100 100 100 100	0.21 0.22 0.12 0.26 0.27 0.17 0.15 0.2 0.17 0.15 0.2 0.17 0.3 0.25 0.27 0.3 0.25 0.27 0.3 0.25 0.27 0.3 0.25 0.27 0.3 0.25 0.27 0.3 0.25 0.27 0.3 0.3 0.25 0.27 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3
72 73 74 76 76 76 78 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 93 94 94 95 96 100 101 101 102 103 104 104 105 105 105 105 105 105 105 105 105 105	Lepidoptera	Geometridae	Cyclophora Ecliptopera Ecliptopera Ecliptopera Ecliptopera Ecliptopera Ecliptopera Ecliptopera Ecliptopera Ecliptopera Ecliptophora Entephria Epirriboe Ep	hyponoea lennigiaria linearia pendularia linearia pendularia porata puppillaria quercimontaria ruficiliaria serveti suppunctaria dervenaria citrata infuscata latefasciata truncata badiata capitata silaceata contestata cynaria flavianta	18.8 19.2 27.4 23.4 21.7 27.4 24 19.5 30 9.1 28.4 37.7 25.4 39.3 32.4 26.4 25.4 21.1 26.6 31.2 29.2 38.2 29.2 38.2 20.2 20.6 40.7 48.4 27.8 20.2 20.2 20.6 40.7 48.4 27.8 20.2 20.6 20.7 20.9 20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8	1 2 2 2 2 2 3 2 2 7 2 1 5 3 2 1 7 2 5 2 5 3 2 2 7 3 2 5 2 5 2 2 2 3 3 2 7 3 5 2 5 2 5 2 2 2 2 3 3 2 2 7 3 2 5 2 5 2 5 2 2 2 3 3 2 1 2 2 2 2 2 3 3 2 1 3 3 1 3 2 2 1 3 3 3 1 3	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.27 0.17 0.15 0.2 0.17 0.18 0.21 0.2 0.2 0.17 0.3 0.3 0.25 0.17 0.18 0.2 0.17 0.19 0.2 0.17 0.19 0.2 0.17 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.2 0.19 0.2 0.2 0.19 0.2 0.2 0.19 0.2 0.2 0.19 0.2 0.19 0.2 0.19 0.2 0.2 0.19 0.2 0.2 0.19 0.2 0.2 0.19 0.2 0.19 0.2 0.2 0.19 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
72 73 74 75 76 76 76 76 76 76 77 78 80 91 91 91 91 91 91 91 91 91 91 91 91 91	Lepidoptera	Geometridae	Cyclophora Earophina Earophina Earophina Entephria Epitrophora Epitrophora Epitrophora Epitrophora Epitrophora Epitrophora Epitrophora Epitrophora Epitrophora Epitrope E	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pupuliaria purata pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria quercimontaria ruficiliaria serveti suppunctaria citrata survetta suppunctaria citrata badiata capitata badiata capitata silaceata conjetata silaceata conjetata pupuliaria pupuliaria punctipa punctipa punctipa punctipa punctipa punctipa sabinata pupiliata rutensis autumnata chiistyi dilutata ratuensis autumnata chiistyi dilutata mellinata peloponnesiaca populata prunata proporta testata proporta testata testata testata populata prunata proporta testata testata proporta proporta proporta testata testata proporta proporta proporta proporta testata testata proporta	18.8 19.2 27.4 24 21.7 24 29.1 19.5 30 9.1 28.4 25.4 25.4 26.4 25.4 26.4 27.8 39.3 30.2 26.4 27.8 39.3 30.2 26.4 27.8 28.9 29.2 20.6 27.8 20.9 20.1 20.6 20.1 20.1 20.1 20.1 20.1 20.1 20.1 20.1	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2007) Hausmann (2007	100 100 100 100 100 100 100 100 100 100	0.21 0.22 0.12 0.26 0.27 0.17 0.15 0.2 0.17 0.15 0.2 0.17 0.3 0.25 0.27 0.3 0.25 0.27 0.3 0.25 0.27 0.3 0.25 0.27 0.3 0.25 0.27 0.3 0.25 0.27 0.3 0.3 0.25 0.27 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3
72 73 74 75 76 76 76 77 77 88 81 82 83 84 48 86 86 86 86 87 90 90 91 91 92 93 94 95 96 96 96 96 96 96 96 96 96 96 96 96 96	Lepidoptera	Geometridae	Cyclophora Earophira Earophira Earophira Earophira Entephria Epitrophora Epitropho	hyponoea lennigiaria linearia lennigiaria linearia pendularia pendularia porata puppiliaria quercimontaria ruficiliaria serveti suppunctaria puppiliaria quercimontaria ruficiliaria serveti suppunctaria citrata supentaria citrata supentaria citrata badiata badiata badiata silaceata conjetata silaceata conjetata silaceata conjetata pipmaearia pesitata silaceata conjetata pipmaearia pesitata punctipa politaria pindiaria punctipa pindiaria punctipa sabinata punctipa sabinata pupiliata rivata sandosaria tartuensis autumnata chistyi dilutata mellinata peloponnesiaca populata prunata propopata testata adumbraria biangulata mesembrina unangulata mesembrina unangulata menangulata puncangulata mesembrina unangulata menangulata propopata testata adumbraria biangulata mesembrina unangulata menangulata menangula	18.8 19.2 27.4 21.7 22.4 21.7 22.4 24 19.5 30 9.1 28.4 25.4 21.2 26.4 25.4 21.2 26.4 25.4 21.2 26.6 27.8 38.2 27.8 38.2 28.8 38.1 29.2 20.6 40.7 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann & Widalepp (2012) Hausmann & Wid	Hausmann (2004) Hausmann & Vidialepp (2012) Ha	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.17 0.15 0.2 0.17 0.3 0.2 0.17 0.3 0.2 0.2 0.17 0.3 0.2 0.2 0.17 0.3 0.2 0.2 0.17 0.3 0.2 0.2 0.3 0.3 0.2 0.3 0.2 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1
72 73 74 76 76 76 78 80 80 81 82 83 84 84 85 86 86 89 90 90 91 92 93 93 94 100 101 101 101 101 101 101 101 101 10	Lepidoptera	Geometridae	Cyclophora Eciphora Eciphora Eciphora Eciphora Eciphopera Eciphopera Eciphopera Eciphopera Eciphopera Eciphopera Eciphopera Eciphopera Eciphopera Entephria Ephrimo Epirrhoe Epirrho	hyponoea lennigiaria lienaria lennigiaria lienaria lennigiaria lienaria pendularia porata puppillaria quercimontaria ruficiliaria serveti suppunctaria suppunctaria suppunctaria surpunctaria surpunctaria dervenaria citrata badiata badiata badiata badiata badiata capitata sapitata suppunctaria caesiata contestata ciparia di perintifica della perintifica della perintifica della perintifica della perintifica della perintifica della polata alternata galiata hastulata hastulata hastulata hastulata hastulata hastulata hastulata pupilita tartuensis audummata christyi dilutata pelopomesia populata pelopomesia adummata pelopomesia adumbraria biangulata mesembrina unangulata abbreviata babreviata	18.8 19.2 27.4 21.7 23.4 21.7 24 19.5 30 9.1 28.4 25.7 25.4 26.4 26.6 31.2 26.6 31.2 27.8 28.9 29.2 20.6 20.6 20.6 20.6 20.6 20.6 20.6 20	1 2 2 2 2 2 2 3 2 2 7 3 1 5 3 1 7 2 5 2 5 2 1 3 2 1 2 2 1 3 2 1 3 2 1 1 1 1 1 1 1	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2012) Hausmann (2014) Hausmann (2015) Hausmann (2016) Hausmann (2016	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.17 0.15 0.2 0.17 0.3 0.2 0.17 0.3 0.2 0.2 0.17 0.3 0.2 0.2 0.17 0.3 0.2 0.17 0.3 0.2 0.17 0.3 0.2 0.17 0.3 0.2 0.17 0.18 0.2 0.17 0.18 0.2 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19
72 73 74 75 76 76 76 76 76 76 77 78 80 81 82 83 84 85 86 86 87 87 88 89 90 10 10 10 10 10 10 10 10 10 11 11 11 11	Lepidoptera	Geometridae	Cyclophora Earophira Earophira Earophira Entephira Epiirhoe Epiirho	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pupuliaria purata pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria cirrata surpunctaria ruficiliaria serveti suppunctaria cirrata supunctaria ruficiaria surpunctaria latefasciata truncata badiata badiata badiata silaceata conjetata silaceata conjetata silaceata conjetata pupuliaria flaviaria flaviaria flaviaria di flaviaria di flaviaria punctipa punctipa punctipa punctipa punctipa punctipa punctipa sabinata punctipa flaviaria di flaviaria punctipa punctip	18.8 19.2 27.4 21.7 22.4 21.7 22.4 24 19.5 30 9.1 28.4 25.4 25.4 26.4 25.4 26.4 27.8 39.3 30.2 26.4 27.8 39.3 30.2 26.4 27.8 28.3 30.2 29.2 20.6 27.8 20.7 20.7 20.7 20.7 20.7 20.7 20.7 20.7	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2007) Hausmann (2007	Hausmann (2004) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.17 0.15 0.2 0.17 0.2 0.17 0.3 0.2 0.2 0.2 0.3 0.2 0.3 0.3 0.2 0.3 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.3 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3
72 73 74 75 76 76 76 76 76 77 78 8 80 81 82 83 84 85 86 86 89 90 91 92 93 99 99 99 90 90 90 90 90 90 90 90 90 90	Lepidoptera	Geometridae	Cyclophora Eciphora Eciphora Eciphopera Entephria Epirrhoe Epirr	hyponoea lennigiaria lienaria lienaria lienaria lienaria lienaria puppillaria puppillaria puppillaria puppillaria puppillaria puppillaria puppillaria serveti suppunctaria suppunctaria suppunctaria surpunctaria surpunctaria surpunctaria suppunctaria suppunctaria badiata capitata badiata capitata badiata capitata pupilata pupilata pupilata pupilata punctipa punctipa punctipa punctipa sabirata disvisa disversata alternata galiata hastulata hastu	18.8 19.2 27.4 24 21.7 27.4 24 19.5 30 9.1 28.4 25.4 25.4 26.6 31.2 26.6 31.2 26.6 31.2 27.8 28.6 31.2 29.2 36.4 4 27.3 38.2 21.2 21.2 21.2 21.2 21.5 21.2 21.5 21.5	1 2 2 2 2 2 3 2 2 7 2 1 5 3 2 2 2 2 3 2 2 7 3 2 5 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 3 2 3	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2012) Hausmann (2012	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.17 0.15 0.2 0.17 0.3 0.2 0.17 0.3 0.2 0.2 0.17 0.3 0.2 0.2 0.17 0.3 0.2 0.17 0.3 0.2 0.17 0.3 0.2 0.17 0.3 0.2 0.17 0.18 0.2 0.17 0.18 0.2 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19
72 73 74 75 76 76 76 76 76 76 77 78 8 80 81 82 83 84 85 86 86 88 89 90 19 92 93 99 99 99 90 100 101 102 103 104 105 106 106 106 106 106 107 107 107 107 107 107 107 107 107 107	Lepidoptera	Geometridae	Cyclophora Eciphora Eciphophora Eciphophora Eciphopera Eciphopera Eciphopera Eciphopera Eciphopera Eciphopera Eciphophia Entephria Epirrhoe Epirrho	hyponoea lennigiaria lienaria lienaria lienaria lienaria pendularia porata puppillaria quercimontaria ruficiliaria serveti suppunctaria supunctaria latefasciata truncata badiata capitata badiata capitata badiata capitata para la latefasciata flavica del la latefasciata flavica del latefasciata latefasciata periodi di latefasciata periodi la latefasciata periodi la latefasciata periodi la latefasciata latefasciata latefasciata alternata galiata hastulata hastulata hastulata hastulata hastulata hastulata hastulata hastulata latefascia l	18.8 19.2 27.4 21.7 23.4 21.7 24 19.5 30 9.1 28.4 25.4 25.4 25.4 26.4 27.8 28.1 28.2 28.3 30.3 22.4 28.4 27.8 23.9 38.2 28.3 38.2 29.2 29.3 29.3 29.3 29.3 29.3 29.3 29	1 2 2 2 2 2 2 2 3 2 2 7 3 1 5 5 2 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2006) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.17 0.15 0.2 0.2 0.17 0.3 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
72 73 74 75 76 76 76 76 76 76 77 78 80 81 82 83 84 85 86 77 87 80 90 90 90 90 90 90 90 90 90 90 90 90 90	Lepidoptera	Geometridae	Cyclophora Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Dysstroma Earophila Earophila Earophila Earophila Earophila Entephria Ente	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pupuliaria puntaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria quercimontaria ruficiliaria serveti suppunctaria citrata surveti suppunctaria citrata supunctaria ruficiaria surveti supunctaria infuscata latefasciata truncata badiata capitata silaceata conjestata silaceata conjestata conjestata conjestata conjestata puncipa puncipa puncipa puncipa puncipa sabinaria diversata alternata galiaria moliuginata puncipa surveti puncipa sabinaria nebulata indigenata melimata peliponnesiaca populata prunata adumbraria biangulata abbreviata abiteria absintiniata actaeata addictata alliaria	18.8 19.2 27.4 24 21.7 24 29.1 19.5 30 9.1 28.4 25.4 26.4 25.4 26.4 27.8 39.3 32.4 26.4 27.8 38.2 28.3 30.2 21.2 21.2 21.5 21.5 21.5 21.5 21.5 21	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2007) Hausmann (2007	Hausmann (2004) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.27 0.17 0.15 0.2 0.17 0.15 0.2 0.2 0.17 0.3 0.2 0.2 0.17 0.3 0.2 0.2 0.3 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3
72 73 74 75 76 76 76 76 76 77 78 8 8 9 90 91 92 93 94 95 96 97 97 98 99 99 100 101 111 111 111 111 111 111 1	Lepidoptera Lepido	Geometridae	Cyclophora Eciphora Eciphora Eciphopera Eciphophia Entephria Epirrhoe Epiirrhoe Epi	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pendularia porata puppillaria quercimontaria ruficiliaria serveti suppunctaria surpunctaria surpunctaria surpunctaria surpunctaria surpunctaria surpunctaria surpunctaria surpunctaria surpunctaria latefasciata truncata badiata capitata sifaceata portestata portestata confestata confestata confestata flavidincitata infiddaria polata puncilipes sabinata diversata alternata galiata hastulata molluginata pupiliata rivata sandosaria saturunrata christyi dilutata tartuensis autumnata christyi dilutata propulata prunata propulata propulata propulata propulata propulata satura sandosaria satura sabrevista abietaria abietaria abietaria abietaria abietaria adiliaria acciaeata addictata alliaria analoga	18.8 19.2 27.4 21.7 23.4 21.7 24 19.5 30 9.1 28.4 25.4 25.4 25.4 26.4 27.8 28.6 31.2 28.6 31.2 28.6 31.2 28.6 31.2 29.2 36.4 40.7 20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8	1 2 2 2 2 2 2 2 3 2 2 7 3 1 5 5 2 5 2 5 2 1 1 1 1 1 1 1 1 1 1 1 1	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2006) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.17 0.15 0.2 0.17 0.15 0.2 0.2 0.17 0.3 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
72 73 74 75 76 76 76 76 76 76 76 77 78 80 81 82 83 84 85 86 87 88 89 90 90 90 90 90 90 90 90 90 90 90 90 90	Lepidoptera Lepido	Geometridae	Cyclophora Eciphophora Eciphophora Eciphophora Eciphopera Eciphopera Eciphopera Eciphopera Eciphopera Eciphophia Entephria Epirrhoe Epiirhoe E	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pupuliaria puntaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria quercimontaria ruficiliaria serveti suppunctaria citrata surveti suppunctaria citrata supunctaria ruficiaria surveti supunctaria infuscata latefasciata truncata badiata capitata silaceata conjestata silaceata conjestata conjestata conjestata conjestata puncipa puncipa puncipa puncipa puncipa sabinaria diversata alternata galiaria moliuginata puncipa surveti puncipa sabinaria nebulata indigenata melimata peliponnesiaca populata prunata adumbraria biangulata abbreviata abiteria absintiniata actaeata addictata alliaria	18.8 19.2 27.4 21.7 23.4 21.7 24 19.5 30 9.1 28.4 25.4 25.4 25.4 26.4 27.7 26.4 28.6 28.6 28.6 28.6 28.6 28.6 28.6 28.6	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2006) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.27 0.15 0.2 0.17 0.15 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
72 73 74 75 76 76 76 76 76 76 76 77 78 80 81 82 83 84 85 86 87 87 87 87 87 87 87 87 87 87 87 87 87	Lepidoptera Lepido	Geometridae	Cyclophora Earophira Earophira Earophira Entephria E	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pupuliaria puntaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria quercimontaria ruficiliaria serveti suppunctaria citrata surpunctaria ruficiaria serveti suppunctaria ruficiaria supunctaria ruficiaria supunctaria ruficiaria badiata badiata badiata silaceata conjetata silaceata conjetata silaceata conjetata proprieta flaviaria ruficiaria filaviaria flaviaria ruficiaria ruficiari	18.8 19.2 27.4 24 21.7 24 29.1 19.5 30 9.1 28.4 25.4 26.4 25.4 26.4 27.8 28.9 39.3 30.2 26.4 27.8 39.3 30.2 28.6 39.6 39.6 30.6 30.6 30.6 30.6 30.6 30.6 30.6 30	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2007) Hausmann (2007	Hausmann (2004) Hausmann (2012) Hausmann (2013) Micalepp (2012) Micalepp (2013) Micalepp (2013) Micalepp (2013) Micalepp (2013) Micalepp (2013) Micalepp (2013	no n	0.21 0.22 0.17 0.15 0.2 0.27 0.17 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
72 73 74 75 76 76 76 76 76 76 77 78 8 8 9 90 91 92 93 95 96 96 99 100 101 111 111 113 115 119 120 121 121 121 121 121 121 121 121 121	Lepidoptera	Geometridae	Cyclophora Eciphopra Eciphopera Entephria Epirrhoe Epiirhoe Euphliecia Euphliecia Euphliecia Euphliecia Euphliecia	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pendularia porata pupillaria quercimontaria ruficiliaria serveti suppunctaria pupillaria quercimontaria ruficiliaria serveti suppunctaria citrata surpunctaria citrata surpunctaria tatefasciata truncata badiata capitata silaceasciata truncata badiata capitata silaceasciata truncata badiata capitata fiavicincitata infiduria pupiliaria polata punctipes sabinata diversata alternata polata hastulata molluginata pupiliata rutuensis autumnata christyi dilutata tartuensis autumnata christyi dilutata propopulata prunata propopulata prunata propopulata abietaria abietaria abietaria abietaria abietaria asimiliata propopulata propopulata propopulata antalica acceata addicitata aliiaria analoga antalica sassimilata biromata previoculata biromata previoculata provioculata provioculata propopulata antalica assimilata biromata previoculata provioculata provio	18.8 19.2 27.4 21.7 23.4 21.7 24 19.5 30 9.1 28.4 25.4 25.4 25.4 26.4 27.7 26.4 28.6 28.6 28.6 28.6 28.6 28.6 28.6 28.6	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2004	Hausmann (2004) Hausmann (2006) Hausmann (2007) Hausmann (2007	no n	0.21 0.22 0.12 0.26 0.27 0.15 0.2 0.17 0.15 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2
72 73 74 75 76 76 76 76 76 76 77 78 8 8 9 90 91 92 93 95 96 96 99 100 101 111 111 113 115 119 120 121 121 121 121 121 121 121 121 121	Lepidoptera	Geometridae	Cyclophora Earophira Earophira Earophira Entephria E	hyponoea lennigiaria linearia lennigiaria linearia lennigiaria linearia pupuliaria puntaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria pupuliaria quercimontaria ruficiliaria serveti suppunctaria citrata surpunctaria ruficiaria serveti suppunctaria ruficiaria supunctaria ruficiaria supunctaria ruficiaria badiata badiata badiata silaceata conjetata silaceata conjetata silaceata conjetata proprieta flaviaria ruficiaria filaviaria flaviaria ruficiaria ruficiari	18.8 19.2 27.4 21.7 23.4 21.7 24 19.5 30 9.1 28.4 25.4 25.4 25.4 26.4 27.7 26.4 28.6 28.6 28.6 28.6 28.6 28.6 28.6 28.6	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hausmann (2004) Hausmann (2007) Hausmann (2007	Hausmann (2004) Hausmann (2012) Hausmann (2013) Micalepp (2012) Micalepp (2013) Micalepp (2013) Micalepp (2013) Micalepp (2013) Micalepp (2013) Micalepp (2013	no n	0.21 0.22 0.17 0.15 0.2 0.27 0.17 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2

•	O.	31				•		Lociogy and	Biogeography		
			Family		Species	Size (mm³) Specime			Reference voltinism	oltinism with latitudeIntraspecific variability size	(%)
			Geometridae Geometridae	Eupithecia Eupithecia	centaureata cerussaria	25.4 16.4	2 2.5 4 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.46 0.24
	140	Lepidoptera	Geometridae	Eupithecia	chalikophila	17.9	3 1	Mironov (2003)	Mironov (2003)	no	0.36
			Geometridae Geometridae	Eupithecia Eupithecia	cocciferata conterminata	19.8 9.1	3 1 2 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.32
	143	Lepidoptera	Geometridae	Eupithecia	cooptata	25.7	4 1	Mironov (2003)	Mironov (2003)	no	0.32
			Geometridae Geometridae	Eupithecia Eupithecia	cuculliaria denotata	13 23.3	4 1 2 1.5	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.3
	146 147		Geometridae Geometridae	Eupithecia Eupithecia	denticulata dissertata	24.5 25.8	2 1 4 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.19
			Geometridae		distinctaria	13.2	3 1.5	Mironov (2003)	Mironov (2003)	no	0.29
			Geometridae Geometridae	Eupithecia Eupithecia	dodoneata druentiata	13.3 26.1	5 1 1 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.33
	151	Lepidoptera	Geometridae	Eupithecia	egenaria	24.9	3 1	Mironov (2003)	Mironov (2003)	no	0.29
			Geometridae Geometridae	Eupithecia Eupithecia	ericeata exiguata	11.3 23.5	3 1 1 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.44
	154	Lepidoptera	Geometridae	Eupithecia	expallidata	32.2	3 1	Mironov (2003)	Mironov (2003)	no	0.33
			Geometridae Geometridae	Eupithecia Eupithecia	extensaria extraversaria	43.1 16.3	1 1 5 1.5	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.17
	157	Lepidoptera	Geometridae	Eupithecia	extremata	14.6	2 1	Mironov (2003)	Mironov (2003)	no	0.12
			Geometridae Geometridae	Eupithecia Eupithecia	fennoscandica fuscicostata	7.4 14	1 1 6 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.25
	160	Lepidoptera	Geometridae	Eupithecia	gemellata	18.2	3 2	Mironov (2003)	Mironov (2003)	no	0.35
		Lepidoptera Lepidoptera	Geometridae Geometridae		graphata gratiosata	15.8 53.4	2 2 3 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.33
	163	Lepidoptera	Geometridae		groenblomi	19.1	1.1	Mironov (2003)	Mironov (2003)		0.49
			Geometridae Geometridae		gueneata haworthiata	28.4 8.7	4 1 2 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.29
			Geometridae Geometridae	Eupithecia	immundata	18.2	4 1	Mironov (2003)	Mironov (2003)		0.21
				Eupithecia Eupithecia	impurata indigata	26.5 13	2 2 5 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.23
			Geometridae Geometridae	Eupithecia Eupithecia	innotata insigniata	19.2 20.5	1 2 3 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.33
					inturbata	13.2	4 1	Mironov (2003)	Mironov (2003)		0.32
			Geometridae Geometridae	Eupithecia Eupithecia	irriguata lanceata	12 12.4	2 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.17
	174	Lepidoptera	Geometridae	Eupithecia	laquaearia	14	4 1.5	Mironov (2003)	Mironov (2003)	no	0.11
			Geometridae Geometridae	Eupithecia Eupithecia	lariciata liguriata	19.1 11.2	2 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.44
	177	Lepidoptera	Geometridae	Eupithecia	limbata	12.4	2 2.5	Mironov (2003)	Mironov (2003)	no	0.32
		Lepidoptera Lepidoptera	Geometridae Geometridae	Eupithecia Eupithecia	linariata massiliata	18.9 13.5	4 1.5 4 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.49
	180	Lepidoptera	Geometridae	Eupithecia	millefoliata	32	3 1	Mironov (2003)	Mironov (2003)	no	0.31
		Lepidoptera Lepidoptera			minusculata mystica	10.6 21.8	3 2 4 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.22
	183	Lepidoptera	Geometridae	Eupithecia	nanata	15.8	3 1.5	Mironov (2003)	Mironov (2003)	no	0.42
		Lepidoptera Lepidoptera			ochridata orana	31.2 13.6	2 2 4 2.5	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.17
			Geometridae	Eupithecia	orphnata	18.9	5 1	Mironov (2003)	Mironov (2003)	no	0.27
		Lepidoptera Lepidoptera	Geometridae		oxycedrata pauxillaria	13.3 18.9	3 2 4 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.35
	189	Lepidoptera	Geometridae		pernotata phoeniceata	25.6 20.5	2 1 4 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.14
			Geometridae Geometridae	Eupithecia	pimpinellata	24.1	3 1.5	Mironov (2003)	Mironov (2003)		0.29
			Geometridae Geometridae		plumbeolata praealta	12.4 18	2 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.5
	194	Lepidoptera	Geometridae	Eupithecia	pulchellata	28	11	Mironov (2003)	Mironov (2003)	no	0.29
			Geometridae Geometridae		pusillata pygmaeata	17.8 11.5	5 1.5 3 1.5	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.32
	197	Lepidoptera	Geometridae	Eupithecia	pyreneata	16.7	3 1.5	Mironov (2003)	Mironov (2003)	no	0.24
			Geometridae Geometridae	Eupithecia Eupithecia	quercetica reisserata	18.9 11.3	3 1 5 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.19
	200	Lepidoptera	Geometridae	Eupithecia	riparia	14.8	3 2	Mironov (2003)	Mironov (2003)	no	0.4
				Eupithecia Eupithecia	rosmarinata santolinata	14.9 29.3	11	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.15
	203	Lepidoptera	Geometridae	Eupithecia	satyrata	24.9	4 1	Mironov (2003)	Mironov (2003)	no	0.5
			Geometridae Geometridae	Eupithecia Eupithecia	scalptata schiefereri	18.5 32.2	3 1 2 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.32
	206	Lepidoptera	Geometridae	Eupithecia	scopariata	14.3	3 2.5	Mironov (2003)	Mironov (2003)	no	0.42
			Geometridae Geometridae	Eupithecia Eupithecia	selinata semigraphata	18.1 22.8	4 2 2 1.5	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.15
		Lepidoptera	Geometridae Geometridae		senorita silenata	11.6 13.7	4 2 2 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.3
	211	Lepidoptera	Geometridae	Eupithecia	silenicolata	25.5	2 2	Mironov (2003)	Mironov (2003)	no	0.26
		Lepidoptera Lepidoptera	Geometridae Geometridae	Eupithecia Eupithecia	simpliciata sinuosaria	36.8 25.5	4 1 3 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.38
		Lepidoptera	Geometridae	Eupithecia	spadiceata	19.1	5 1	Mironov (2003)	Mironov (2003)	no	0.18
			Geometridae Geometridae	Eupithecia Eupithecia	spissilineata subfuscata	18 23.1	5 1 4 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.33
	217	Lepidoptera	Geometridae	Eupithecia	subumbrata	16.7	5 1	Mironov (2003)	Mironov (2003)	no	0.42
		Lepidoptera Lepidoptera	Geometridae Geometridae	Eupithecia Eupithecia	succenturiata sutiliata	40.1 11.2	4 1 5 2.5	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.3
	220	Lepidoptera	Geometridae	Eupithecia	tantillaria	16.8	3 1.5	Mironov (2003)	Mironov (2003)	no	0.44
	221 222	Lepidoptera Lepidoptera	Geometridae Geometridae	Eupithecia Eupithecia	tenuiata thalictrata	10.6 12.2	2 1 3 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.3
	223	Lepidoptera	Geometridae	Eupithecia	thumerata	11.2	4 1	Mironov (2003)	Mironov (2003)	no	0.29
			Geometridae Geometridae	Eupithecia Eupithecia	tripunctaria trisignaria	18.9 20.1	4 1.5 3 1.5	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.36
			Geometridae		ultimaria undata	12.5	5 2 2 1	Mironov (2003) Mironov (2003)	Mironov (2003)	no	0.3
			Geometridae Geometridae		unedonata	10.2 19.2	3 2	Mironov (2003)	Mironov (2003) Mironov (2003)	no	0.44
			Geometridae Geometridae		unitaria	20.6	4 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.22
		Lepidoptera Lepidoptera		Eupithecia Eupithecia	valerianata variostrigata	11.8 27	3 1 3 1	Mironov (2003)	Mironov (2003)	no no	0.44
			Geometridae Geometridae	Eupithecia Eupithecia	venosata veratraria	31.9 35.6	3 1 1 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)	no no	0.4 0.15
		Lepidoptera		Eupithecia	virgaureata	18.2	5 2	Mironov (2003)	Mironov (2003)	no	0.36
			Geometridae Geometridae	Eupithecia Eupithecia	vulgata weissi	13.7 25.8	2 1.5 6 1	Mironov (2003) Mironov (2003)	Mironov (2003) Mironov (2003)		0.36
	237	Lepidoptera	Geometridae	Gagitodes	sagittata	37.1	2 1	Mironov (2003)	Mironov (2003)	no	0.48
	238 239		Geometridae Geometridae		pyraliata papilionaria	48 208	1 1 2 1	Hausmann & Viidalepp (2012) Hausmann (2001)	Hausmann & Viidalepp (2012) Hausmann (2001)	no no	0.23
	240	Lepidoptera	Geometridae	Glossotrophia	alba	33.4	2 1	Hausmann (2004)	Hausmann (2004)	no	0.29
			Geometridae Geometridae	Glossotrophia Glossotrophia	confinaria rufomixtaria	26.1 20.7	6 3 7 1.5	Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.32
	243	Lepidoptera	Geometridae		rufifasciata	15.4	4 2	Mironov (2003)	Mironov (2003)		0.53
			Geometridae Geometridae		renitidata discoidaria	15.5 29	1 2 2 1	Hausmann (2001) Hausmann (2001)	Hausmann (2001) Hausmann (2001)	no no	0.25
			Geometridae		chrysoprasaria	65.3	4 1.5	Hausmann (2001)	Hausmann (2001)		0.44
			Geometridae Geometridae	Hemithea Heterothera	aestivaria serraria	36.6 20.4	3 1 1 1	Hausmann (2001) Hausmann & Viidalepp (2012)	Hausmann (2001) Hausmann & Viidalepp (2012)		0.34
			Geometridae Geometridae	Holoterpna Horisme	pruinosata aemulata	67.6 34.1	3 1 3 1	Hausmann (2001) Hausmann & Viidalepp (2012)	Hausmann (2001) Hausmann & Viidalepp (2012)	no no	0.43
	251	Lepidoptera	Geometridae	Horisme	aquata	24.4	4 1.5	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.17
		Lepidoptera Lepidoptera	Geometridae		calligraphata radicaria	18.5 37.6	2 1 2 2	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.11
	254	Lepidoptera	Geometridae	Horisme	scorteata	45.6	4 3	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.25
		Lepidoptera Lepidoptera	Geometridae Geometridae	Horisme Horisme	tersata vitalbata	40.5 40.2	1 2 2 2	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.2
	257	Lepidoptera	Geometridae	Hydrelia	flammeolaria	8.9	1.1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.29
		Lepidoptera Lepidoptera	Geometridae Geometridae	Hydrelia Hydria	sylvata cervinalis	7.8 63.9	1 1 2 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)		0.15
	260	Lepidoptera	Geometridae	Hydria	gudarica	51.9	1.1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.12
		Lepidoptera Lepidoptera	Geometridae Geometridae	Hydria Hydria	montivagata undulata	43.7 35	4 1 2 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.11
	263	Lepidoptera	Geometridae	Hydriomena	furcata	30.6	3 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.25
	265	Lepidoptera			impluviata ruberata	37.5 30	2 1 3 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.23
	266	Lepidoptera	Geometridae	Idaea Idaea	admiranda albarracina	7.8	11	Hausmann (2004)	Hausmann (2004)	no	0.09
	268	Lepidoptera			albarracina albitorquata	12.7 15.6	2 2 3 2	Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004)		0.3
	269	Lepidoptera		Idaea Idaea	alicantaria alyssumata	4.9 12.7	4 1 3 2.5	Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004)		0.29
	271	Lepidoptera	Geometridae	Idaea	attenuaria	2.6	3 1.5	Hausmann (2004)	Hausmann (2004)	no	0.18
		Lepidoptera Lepidoptera		Idaea Idaea	aureolaria aversata	24.9 27.4	3 1 8 2	Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004)		0.35
			Geometridae		belemiata	15.8	3 1	Hausmann (2004)	Hausmann (2004)		0.24

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	Order	Family	Genus		Size (mm³) Specimer						with latitudeIntraspecific variability size	(%)
	Lepidoptera Lepidoptera	Geometridae Geometridae	Idaea Idaea			2 3 4 1	Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.34
277 278		Geometridae					Hausmann (2004)	Hausman		no		0.32
		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.3
280 281	Lepidoptera	Geometridae Geometridae	Idaea Idaea				Hausmann (2004)	Hausman		no		0.19
		Geometridae					Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.24
283 284		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.46 0.21
	Lepidoptera	Geometridae	Idaea	consanguinaria	16.3	6 1	Hausmann (2004)	Hausman	n (2004)	no		0.27
286 287		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.15 0.27
		Geometridae	Idaea			8 2.5	Hausmann (2004)	Hausman	n (2004)	no		0.21
289	Lepidoptera	Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.29
291	Lepidoptera	Geometridae	Idaea	deversaria	21.2	3 1	Hausmann (2004)	Hausman	n (2004)	no		0.24
292 293		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.25
294	Lepidoptera	Geometridae	Idaea	distinctaria	11.7	5 2.5	Hausmann (2004)	Hausman	n (2004)	no		0.32
295 296		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.12
297	Lepidoptera	Geometridae	Idaea	emarginata	18.3	4 1	Hausmann (2004)	Hausman	n (2004)	no		0.19
		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.22
300	Lepidoptera	Geometridae	Idaea	filicata	15.1	6 2.5	Hausmann (2004)	Hausman	n (2004)	no		0.55
		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.4 0.25
303	Lepidoptera	Geometridae	Idaea	fuscovenosa		1 1	Hausmann (2004)	Hausman	n (2004)	no		0.3
		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.3 0.18
306	Lepidoptera	Geometridae	Idaea				Hausmann (2004)	Hausman		no		0.21
		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.32
309	Lepidoptera	Geometridae	Idaea	intermedia	8.3	2 3	Hausmann (2004)	Hausman	n (2004)	no		0.43
310 311		Geometridae Geometridae	Idaea Idaea			4 1 4 2	Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.15 0.27
	Lepidoptera	Geometridae Geometridae	Idaea	leipnitzi	6.5		Hausmann (2004)	Hausman	n (2004)	no		0.24
		Geometridae	Idaea Idaea			3 2.5 3 1	Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.15 0.34
315	Lepidoptera	Geometridae	Idaea	longaria	20.1		Hausmann (2004)	Hausman Hausman	n (2004)	no		0.26
316 317		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman		no no		0.15
	Lepidoptera	Geometridae	Idaea	lutulentaria		3 1	Hausmann (2004)	Hausman		no		0.25
	Lepidoptera	Geometridae Geometridae		mancipiata	16.3	1 2	Hausmann (2004) Hausmann (2004)	Hausman Hausman	n (2004)	no no		0.27 0.22
	Lepidoptera	Geometridae Geometridae		manicaria			Hausmann (2004) Hausmann (2004)	Hausman Hausman	n (2004)	no no		0.23
	Lepidoptera	Geometridae					Hausmann (2004)	Hausman		no		0.33
324 325		Geometridae Geometridae	Idaea Idaea			13 21	Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.55 0.22
	Lepidoptera Lepidoptera	Geometridae					Hausmann (2004)	Hausman		no		0.22
327 328		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.29 0.14
329	Lepidoptera	Geometridae				1 1	Hausmann (2004)	Hausman	n (2004)	no		0.29
330 331		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.22
332	Lepidoptera	Geometridae		obliquaria	11.8	2 1	Hausmann (2004)	Hausman	n (2004)	no		0.18
333 334		Geometridae Geometridae	Idaea Idaea			1 1 5 1	Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.27 0.24
		Geometridae					Hausmann (2004)	Hausman	n (2004)	no		0.42
336 337		Geometridae Geometridae	Idaea Idaea			1 1 3 1.5	Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.35 0.25
338	Lepidoptera	Geometridae	Idaea	pallidata	15.8	3 1	Hausmann (2004)	Hausman	n (2004)	no		0.51
		Geometridae Geometridae				3 1 2 2	Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.25
341	Lepidoptera	Geometridae	Idaea	rainerii	14.3	3 1.5	Hausmann (2004)	Hausman	n (2004)	no		0.18
		Geometridae Geometridae					Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.29
344	Lepidoptera	Geometridae	Idaea				Hausmann (2004)	Hausman		no		0.35
		Geometridae Geometridae					Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.19
347	Lepidoptera	Geometridae	Idaea				Hausmann (2004)	Hausman		no		0.24
		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.27
350	Lepidoptera	Geometridae	Idaea	sericeata		3 1	Hausmann (2004)	Hausman	n (2004)	no		0.42
		Geometridae Geometridae	Idaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.38
353	Lepidoptera	Geometridae	Idaea	spissilimbaria		2 1	Hausmann (2004) Hausmann (2004)	Hausman	n (2004)	no		0.18
		Geometridae Geometridae	ldaea Idaea				Hausmann (2004) Hausmann (2004)	Hausman Hausman		no no		0.38
		Geometridae	Idaea				Hausmann (2004)	Hausman Hausman		no		0.3 0.16
		Geometridae Geometridae	Idaea Idaea			2 1 4 2	Hausmann (2004) Hausmann (2004)	Hausman		no no		0.32
359	Lepidoptera	Geometridae	Idaea		10.9	1 1.5	Hausmann (2004)	Hausman	n (2004)	no		0.32
361	Lepidoptera	Geometridae Geometridae	Idaea Jodis				Hausmann (2004) Hausmann (2001)	Hausman Hausman		no no		0.29 0.24
362	Lepidoptera	Geometridae Geometridae	Jodis Kuchleria			7 1 1 3	Hausmann (2001) Hausmann (2001)	Hausman Hausman		no		0.21
364		Geometridae	Lampropteryx	otregiata	18.6	2 1.5	Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012)	no no		0.09
365 366		Geometridae Geometridae	Lampropteryx Larentia				Hausmann & Viidalepp Hausmann & Viidalepp		n & Viidalepp (2012) n & Viidalepp (2012)	no no		0.14
367	Lepidoptera	Geometridae	Lithostege	castiliaria	8.8	3 1	Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012)	no		0.13
368 369		Geometridae Geometridae	Lithostege Lithostege				Hausmann & Viidalepp Hausmann & Viidalepp		n & Viidalepp (2012) n & Viidalepp (2012)	no no		0.07 0.25
370	Lepidoptera	Geometridae	Lithostege	duponcheli	21.9	3 1	Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012)	no		0.18
371 372		Geometridae Geometridae	Lithostege Lobophora				Hausmann & Viidalepp Hausmann & Viidalepp		n & Viidalepp (2012) n & Viidalepp (2012)	no no		0.18 0.24
373	Lepidoptera	Geometridae	Lythria	cruentaria	13.7	2 2	Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012)	no		0.22
374 375		Geometridae Geometridae	Lythria Lythria			1 2	Hausmann & Viidalepp Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012) n & Viidalepp (2012)	no no		0.15 0.26
376		Geometridae		sanguinaria	21	3 1.5	Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012)	no		0.26
377 378	Lepidoptera	Geometridae Geometridae	Malacodea Martania	taeniata	19.3	2 1	Hausmann & Viidalepp Mironov (2003)	Mironov (2	n & Viidalepp (2012) 2003)	no no		1.69 0.5
379	Lepidoptera	Geometridae Geometridae		callidaria	20.8	2 1	Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012)	no no		0.21
381		Geometridae				3 2	Hausmann & Viidalepp Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012) n & Viidalepp (2012)	no		0.24
382	Lepidoptera	Geometridae Geometridae	Mesoleuca	albicillata	35.7	2 1	Hausmann & Viidalepp Mironov (2003)	(2012) Hausman Mironov (2	n & Viidalepp (2012)	no		0.17
383 384		Geometridae	Mesotype Mesotype			2 1 2 1	Mironov (2003)	Mironov (2		no no		0.35
	Lepidoptera	Geometridae Geometridae		herbaria	15	5 3	Hausmann (2001) Hausmann & Viidalepp	Hausman		no no		0.51 0.29
387	Lepidoptera	Geometridae				11	Hausmann (2001)	Hausman	n (2001)	no		0.29
388 389	Lepidoptera	Geometridae Geometridae		achromaria	20.6	1 2	Hausmann & Viidalepp Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012) n & Viidalepp (2012)	no no		0.2 0.22
390	Lepidoptera	Geometridae	Nebula	nebulata	24.6	5 1	Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012)	no		0.18
		Geometridae Geometridae	Nebula Nothocasis				Hausmann & Viidalepp Hausmann & Viidalepp		n & Viidalepp (2012) n & Viidalepp (2012)	no no		0.23 0.18
393	Lepidoptera	Geometridae	Oar	reaumuraria	11.7	1 3	Hausmann (2004)	Hausman	n (2004)	no		0.27
394 395	Lepidoptera	Geometridae Geometridae	Operophtera Operophtera			3 1 2 1	Hausmann & Viidalepp Hausmann & Viidalepp		n & Viidalepp (2012) n & Viidalepp (2012)	no no		1.75 1.59
396	Lepidoptera	Geometridae	Orthonama	obstipata	15.6	2 3	Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012)	no		0.16
397 398		Geometridae Geometridae	Orthonama Orthostixis			2 2 1 1	Hausmann & Viidalepp Hausmann (2001)	(2012) Hausman Hausman	n & Viidalepp (2012) n (2001)	no no		0.18 0.19
399	Lepidoptera	Geometridae	Oulobophora	internata	15.3	3 1	Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012)	no		0.14
400 401	Lepidoptera	Geometridae Geometridae	Pareulype Pasiphila			3 2	Hausmann & Viidalepp Mironov (2003)	(2012) Hausman Mironov (2	n & Viidalepp (2012)	no no		0.2
402	Lepidoptera	Geometridae	Pasiphila	debiliata	19.5	4 1	Mironov (2003)	Mironov (2	2003)	no		0.22
403	Lepidoptera	Geometridae Geometridae				2 1	Mironov (2003) Hausmann & Viidalepp	Mironov (2012) Hausman	2003) n & Viidalepp (2012)	no no		0.27
405	Lepidoptera	Geometridae	Pennithera	firmata	40.5	2 1	Hausmann & Viidalepp	(2012) Hausman	n & Viidalepp (2012)	no		0.22
406 407		Geometridae Geometridae	Perizoma Perizoma			4 1 6 1.5	Mironov (2003) Mironov (2003)	Mironov (2 Mironov (2	2003) 2003)	no no		0.35
408	Lepidoptera	Geometridae	Perizoma	bifaciata	13	2 1.5	Mironov (2003)	Mironov (2003)	no		0.48
409	Lepidoptera	Geometridae Geometridae	Perizoma Perizoma				Mironov (2003) Mironov (2003)	Mironov (2 Mironov (2		no no		0.4 0.51
		Geometridae	Perizoma				Mironov (2003)	Mironov (no		0.5

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	Order	Family Geometridae	Genus Perizoma	Species incultaria	Size (mm³) Specime	ensVoltinism 6 1	Reference size Mironov (2003)	Reference voltinism Increase of Mironov (2003)	voltinism with latitudeIntraspecific variability	y size (%)
412 413 414	Lepidoptera Lepidoptera	Geometridae	Perizoma Perizoma Perizoma	lugdunaria minorata	15 9.4	31		Mironov (2003) Mironov (2003) Mironov (2003)	no no no	0.32 0.29
415 416	Lepidoptera	Geometridae	Perizoma	obsoletata etruscaria	25.2 20.4	3 1 8 2		Mironov (2003) Hausmann (2001)	no no	0.23 0.33
417 418		Geometridae Geometridae	Phaiogramma Phaiogramma Phibalapteryx	faustinata virgata	26.1 12.6	43	Hausmann (2001)	Hausmann (2001) Hausmann & Viidalepp (2012)	no no	0.4 0.32
419 420	Lepidoptera	Geometridae	Philereme	transversata	38.6	2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.26
421	Lepidoptera		Philereme Plemyria	vetulata rubiginata	25.6 33.4	11	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.22
422 423	Lepidoptera	Geometridae Geometridae	Problepsis Proteuchloris	ocellata neriaria	72 28.9	2 2 2 4 2	Hausmann (2004) Hausmann (2001) Hausmann (2001)	Hausmann (2004) Hausmann (2001) Hausmann (2001)	no no	0.28 0.31 0.32
424 425		Geometridae	Pseudoterpna Pseudoterpna	coronillaria corsicaria	54.6 42.7	1 2 3 1	Hausmann (2001)	Hausmann (2001)	no no	0.22
426 427	Lepidoptera	Geometridae Geometridae	Pseudoterpna Pterapherapteryx	pruinata sexalata	65.1 9.2	6 1 2 1		Hausmann (2001) Hausmann & Viidalepp (2012)	no no	0.31
428 429	Lepidoptera		Rheumaptera Rhodometra	hastata sacraria	30.5 20.6	2 1 2 3	Hausmann (2004)	Hausmann & Viidalepp (2012) Hausmann (2004)	no no	0.22
430 431	Lepidoptera	Geometridae Geometridae	Rhodostrophia Rhodostrophia	badiaria calabra	38.8 48.5	2 1 3 1	Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.28
432 433	Lepidoptera Lepidoptera	Geometridae	Rhodostrophia Rhodostrophia	pudorata vibicaria	38.4 38.2	1 1 2 1	Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.19
434 435	Lepidoptera		Schistostege Schistostege	decussata nubilaria	24.2 31.9	1 1 1 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.32 0.36
436 437		Geometridae	Scopula Scopula	caricaria concinnaria	9.3 44.6	1 1.5 1 1		Hausmann (2004) Hausmann (2004)	no no	0.33 0.21
438 439		Geometridae	Scopula Scopula	corrivalaria decolor	21.1 18.1	1 1.5 1 3	Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.2 0.1
440 441		Geometridae	Scopula Scopula	decorata emutaria	18.6 15.6	7 2 2 2	Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.12 0.17
442 443	Lepidoptera		Scopula Scopula	flaccidaria floslactata	18.3 24.9	3 2 3 1	Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.14 0.24
444 445	Lepidoptera	Geometridae Geometridae	Scopula Scopula	frigidaria honestata	7.2 23	1 1 3 1	Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.14 0.21
446 447		Geometridae	Scopula Scopula	imitaria immorata	21.7 46.2	4 2 1 2	Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.17 0.2
448 449	Lepidoptera		Scopula Scopula	immutata incanata	21.6 24.9	3 1.5 4 2		Hausmann (2004) Hausmann (2004)	no no	0.2 0.22
450 451		Geometridae Geometridae	Scopula Scopula	luridata marginepunctata	16.1 20.9	2 3 9 2	Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.29 0.13
452 453	Lepidoptera Lepidoptera	Geometridae Geometridae	Scopula Scopula	minorata nemoraria	10.9 24.1	6 3 2 1	Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.35 0.14
454 455		Geometridae	Scopula Scopula	nigropunctata ochraceata	30 17.4	4 1 3 2		Hausmann (2004) Hausmann (2004)	no no	0 0.3
456 457	Lepidoptera	Geometridae Geometridae	Scopula Scopula	orientalis ornata	34.5 18.1	1 1 3 2.5	Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.19 0.15
458 459		Geometridae Geometridae	Scopula Scopula	rubellata rubiginata	23.5 9.9	2 2.5 3 2		Hausmann (2004) Hausmann (2004)	no no	0.27 0.32
460 461	Lepidoptera Lepidoptera	Geometridae	Scopula Scopula	scalercii submutata	10.8 25	1 2 5 2	Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.07 0.1
462 463	Lepidoptera Lepidoptera	Geometridae Geometridae	Scopula Scopula	subpunctaria ternata	23.6	4 1 2 1	Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.23 0.32
464 465		Geometridae	Scopula Scopula	tessellaria turbulentaria	24.6	4 1 2 2.5	Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.23
466 467	Lepidoptera		Scopula Scopula	umbelaria vigilata	41.5 14.3	3 1 2 3	Hausmann (2004) Hausmann (2004)	Hausmann (2004) Hausmann (2004)	no no	0.27
468 469	Lepidoptera		Scopula Scotopteryx	virgulata alfacaria	19.5 56.2	4 2	Hausmann (2004)	Hausmann (2004) Hausmann & Viidalepp (2012)	no no	0.13 0.25
470 471		Geometridae	Scotopteryx Scotopteryx	angularia bipunctaria	68.6 54.1	2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.24
472 473	Lepidoptera	Geometridae Geometridae	Scotopteryx Scotopteryx	chenopodiata coarctaria	64.7 30.7	1 1 2 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.16 0.11
474 475	Lepidoptera		Scotopteryx Scotopteryx	coelinaria luridata	60.4 33.1	1 1 2 1.5		Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.13
476 477	Lepidoptera	Geometridae	Scotopteryx Scotopteryx	moeniata mucronata	51.8 42.6	2 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.26 0.31
478 479		Geometridae Geometridae	Scotopteryx Scotopteryx	octodurensis olympia	51.9 29.4	11	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.16
480 481	Lepidoptera	Geometridae	Scotopteryx	peribolata	29 25.8	3 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no	0.16
481 482 483	Lepidoptera		Scotopteryx Solitanea Thalera	vicinaria mariae	25.8 27.2 41.2	1 1.5 1 2.5 5 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.2 0.15
484		Geometridae	Thera	fimbrialis britannica	27.7	5 2	Hausmann (2001) Hausmann & Viidalepp (2012)	Hausmann (2001) Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.34 0.25 0.26
485 486		Geometridae	Thera Thera	cembrae cognata	24.5 14.2	4 1 2 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no no	0.25
487 488	Lepidoptera		Thera Thera	cupressata juniperata	27.1 20.2	1 2	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.31
489 490	Lepidoptera		Thera Thera	obeliscata variata	25.2 18.6	5 1.5 2 2.5		Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.26 0.26
491 492	Lepidoptera		Thera Thetidia	vetustata plusiaria	17.1 45.2	3 2 3 2.5	Hausmann (2001)	Hausmann & Viidalepp (2012) Hausmann (2001)	no no	0.22
493 494	Lepidoptera Lepidoptera	Geometridae	Thetidia Timandra	smaragdaria comae	53.3 20.3	6 1.5 5 2	Hausmann (2004)	Hausmann (2001) Hausmann (2004)	no no	0.31 0.18
495 496	Lepidoptera		Timandra Trichopteryx	griseata carpinata	27.5 19.8	2 1 3 1	Hausmann & Viidalepp (2012)		no no	0.26 0.21
497 498		Geometridae	Trichopteryx Triphosa	polycommata dubitata	11.7 76	2 1 1 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012)	no no	0.21 0.13
499 500	Lepidoptera Lepidoptera	Geometridae	Triphosa Triphosa	sabaudiata tauteli	104.2 99.5	2 1 3 1	Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.12 0.22
501 502	Lepidoptera	Geometridae Geometridae	Venusia Venusia	blomeri cambrica	12.9 12.4	2 1 4 1		Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.29 0.15
503 504		Geometridae Geometridae	Xanthorhoe Xanthorhoe	abrasaria annotinata	16.9 18.3	3 1 1 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.18 0.26
505 506	Lepidoptera	Geometridae Geometridae	Xanthorhoe Xanthorhoe	biriviata decoloraria	21.5 20.4	3 2 1 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.22 0.31
507 508		Geometridae Geometridae	Xanthorhoe Xanthorhoe	designata ferrugata	19.4 17.5	3 2 4 2	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.18 0.19
509 510	Lepidoptera Lepidoptera	Geometridae Geometridae	Xanthorhoe Xanthorhoe	fluctuata friedrichi	28.1 12.4	4 1.5 3 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.2 0.08
511 512	Lepidoptera Lepidoptera	Geometridae Geometridae	Xanthorhoe Xanthorhoe	incursata montanata	37 21.8	2 1 3 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.19 0.3
513 514	Lepidoptera Lepidoptera	Geometridae Geometridae	Xanthorhoe Xanthorhoe	oxybiata quadrifasiata	18.2 33.1	5 2 4 1	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	Hausmann & Viidalepp (2012) Hausmann & Viidalepp (2012)	no no	0.21 0.23
515 516	Lepidoptera	Geometridae Geometridae	Xanthorhoe Xenochlorodes	vidanoi olympiaria	13.8 17.4	2 2 3 2		Hausmann & Viidalepp (2012) Hausmann (2001)	no no	0.08 0.33
517 518	Lepidoptera Lepidoptera	Hesperiidae	Carcharodus Carcharodus	alceae boeticus	105.5 92.4	13	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
519 520	Lepidoptera Lepidoptera	Hesperiidae	Carcharodus Carcharodus	flocciferus lavatherae	121.7 104	1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	yes no	NA NA
521 522	Lepidoptera Lepidoptera	Hesperiidae	Carcharodus Carterocephalus	orientalis palaemon	121.4 62.8	1 2.5	Tolman & Lewington (2009) Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
523 524	Lepidoptera Lepidoptera	Hesperiidae	Carterocephalus Ervnnis	silvicolus marlovi	53.5 68.9	11	Tolman & Lewington (2009) Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
525 526	Lepidoptera Lepidoptera	Hesperiidae	Erynnis Gegenes	tages nostrodamus	59.2 103.6	1 1.5 1 2.5	Tolman & Lewington (2009) Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
527	Lepidoptera	Hesperiidae	Gegenes	pumilio	84.1	1 2.5	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
528 529	Lepidoptera Lepidoptera	Hesperiidae	Hesperia Heteropterus	comma morpheus	96.1 70.9	11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
530 531	Lepidoptera Lepidoptera	Hesperiidae	Muschampia Muschampia	cribrellum proto	102.2 87.9	11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
532 533	Lepidoptera Lepidoptera	Hesperiidae	Muschmpia Ochlodes	tessellum venatus	147 102.7	1 1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
534 535	Lepidoptera Lepidoptera	Hesperiidae	Pyrgus Pyrgus	alveus andromedae	60 62.1	11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
536 537	Lepidoptera Lepidoptera	Hesperiidae	Pyrgus Pyrgus	armoricanus cacaliae	60.4 74.3	1 1.5 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
538 539	Lepidoptera Lepidoptera	Hesperiidae	Pyrgus Pyrgus	carlinae carlinae	97.3 65.5	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
540	Lepidoptera Lepidoptera	Hesperiidae	Pyrgus Pyrgus	carthami centaureae	91.8 56.5	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
541	Lepidoptera	Hesperiidae	Pyrgus Pyrgus	cinarae foulquieri	117.2 82.5	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
542 543			Pyrgus	malvae	36.3	1 1.5	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
542 543 544 545	Lepidoptera Lepidoptera	Hesperiidae	Pyrgus	onopordi	78.7	1 2.5	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
542 543 544	Lepidoptera	Hesperiidae Hesperiidae Hesperiidae		onopordi serratulae sidae warrenensis	78.7 67.2 120.2 40.4	1 2.5 1 1 1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009) Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009) Tolman & Lewington (2009) Tolman & Lewington (2009)	no no no	NA NA NA NA

									17	
	Order Lepidoptera	Family Hesperiidae	Genus Spialia	Species orbifer	Size (mm³) 67.4	SpecimensVoltinism 1 2	Reference size Tolman & Lewington (2009)	Reference voltinism Tolman & Lewington (2009)	Increase of voltinism with latitudeIntraspecif	ic variability size (%)
550	Lepidoptera	Hesperiidae	Spialia	phlomidis	97.8	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA NA
551 552	Lepidoptera Lepidoptera	Hesperiidae Hesperiidae	Spialia Thymelicus	sertorius acteon	57.9 58.3	1 2 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
553	Lepidoptera	Hesperiidae	Thymelicus	hyrax	85.4	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera	Hesperiidae Hesperiidae	Thymelicus Thymelicus	lineola sylvestris	54.6 68.5	11	Tolman & Lewington (2009 Tolman & Lewington (2009)		no no	NA NA
	Lepidoptera	Lycaenidae Lycaenidae	Agriades Agrodiaetus	glandon admetus	14.7 21.6	11	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
558	Lepidoptera Lepidoptera	Lycaenidae	Agrodiaetus	ainsae	19.3	11	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Agrodiaetus Agrodiaetus	amanda aroaniensis	34.7 19.8	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
561	Lepidoptera	Lycaenidae	Agrodiaetus	damon	17.9	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
562 563	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Agrodiaetus Agrodiaetus	dolus escheri	31.6 24.7	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Agrodiaetus Agrodiaetus	fabressei humedasae	30 21.2	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009)	no no	NA NA
566	Lepidoptera	Lycaenidae	Agrodiaetus	iphigenia	14.8	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
567 568	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Agrodiaetus Agrodiaetus	pyrenaicus ripartii	17.9 25.7	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
569	Lepidoptera Lepidoptera	Lycaenidae	Agrodiaetus	thersites	18.4	1 2	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
		Lycaenidae	Agrodiaetus Albulina	violeta orbitulus	25.2 17.4	1 1 1 1	Tolman & Lewington (2009 Tolman & Lewington (2009	Tolman & Lewington (2009)	no no	NA NA
	Lepidoptera Lepidoptera	Lycaenidae	Aricia Aricia	agestis artaxerxes	19.2 15.2	1 2 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
574	Lepidoptera	Lycaenidae	Callophrys	avis	23.7	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera		Callophrys Celastrina	rubi argiolus	22 18.6	1 1 1 2	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
577 578		Lycaenidae Lycaenidae	Chilades Cupido	trochylus Iorquinii	6.6 11.5	13 11	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
579	Lepidoptera	Lycaenidae	Cupido	minimus	7	1 1.5	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
580 581	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Cupido Cyaniris	osiris semiargus	12.4 22.7	1 1.5 1 2	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
582 583		Lycaenidae	Eumedonia Everes	eumedon alcetas	31.8 16.8	1 1 1 3	Tolman & Lewington (2009) Tolman & Lewington (2009)) Tolman & Lewington (2009)	no no	NA NA
584	Lepidoptera		Everes	argiades	16.2	1 2	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
585 586	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Everes Glaucopsyche	decoloratus alexis	11.5 18.6	13 11	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
587	Lepidoptera	Lycaenidae	Glaucopsyche	melanops	13.7	1.1	Tolman & Lewington (2009) Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	lolana Kretania	iolas eurypilus	65.1 20.9	1 1 1 1	Tolman & Lewington (2009 Tolman & Lewington (2009		no no	NA NA
590 591	Lepidoptera Lepidoptera		Laeopsis Lampides	roboris boeticus	39.5 34.6	1 1 1 3	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
592	Lepidoptera	Lycaenidae	Leptotes	pirithous	11.5	1 3	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Lycaena Lycaena	alciphron dispar	57.1 78.6	11	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
		Lycaenidae	Lycaena Lycaena	helle hippothoe	21.4 47.6	1 1 1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
597		Lycaenidae Lycaenidae	Lycaena	ottomana	46	1 2	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Lycaena Lycaena	phlaeas thersamon	33.9 35.5	1 2.5 1 3	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
600	Lepidoptera		Lycaena	thetis	26.9	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA NA
602	Lepidoptera	Lycaenidae Lycaenidae	Lycaena Lycaena	tityrus virgaureae	64.2 47.9	1 2.5 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)) Tolman & Lewington (2009)	no no	NA
	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Lysandra Lysandra	albicans bellargus	33.6 26.4	1 1 1 2	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
605	Lepidoptera	Lycaenidae	Lysandra	coridon	28.6	1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Lysandra Maculinea	hispana alcon	32.8 25.2	12	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
608		Lycaenidae	Maculinea Maculinea	arion nausithous	50.7 33.2	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009)	no no	NA NA
610	Lepidoptera	Lycaenidae	Maculinea	telejus	29	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Meleageria Neolvsandra	daphnis coelestina	37.9 29.9	11 11	Tolman & Lewington (2009 Tolman & Lewington (2009		no no	NA NA
613	Lepidoptera	Lycaenidae	Plebejus	argus	14.7	1 2	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera		Plebejus Plebejus	argyrognomon idas	22.3 22.5	1 1.5 1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
	Lepidoptera Lepidoptera		Plebejus Plebicula	pylaon dorylas	24 24	1 1 1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
618	Lepidoptera	Lycaenidae	Plebicula	golgus	21	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
		Lycaenidae Lycaenidae	Plebicula Polyommatus	nivescens eros	27.7 18.3	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
	Lepidoptera Lepidoptera	Lycaenidae	Polyommatus Pseudaricia	icarus nicias	19.7 15.8	1 2 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
623	Lepidoptera	Lycaenidae	Pseudophilotes	abencerragus	8.5	1 1.5	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Pseudophilotes Pseudophilotes	baton bavius	11.8 12	1 1.5 1 1	Tolman & Lewington (2009 Tolman & Lewington (2009		no no	NA NA
626	Lepidoptera	Lycaenidae	Pseudophilotes	panoptes	12.5	1 2	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
627 628		Lycaenidae Lycaenidae	Pseudophilotes Quercusia	vicrama quercus	15.5 54.6	1 2 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
629 630	Lepidoptera Lepidoptera		Satyrium Satyrium	acaciae esculi	32 34.1	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
631	Lepidoptera	Lycaenidae	Satyrium	ilicis	37.8	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
632 633	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Satyrium Satyrium	pruni spini	30.6 37.1	11 11	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
	Lepidoptera Lepidoptera		Satyrium Scolitantides	w-album orion	26 12.6	1 1 1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
636	Lepidoptera	Lycaenidae	Tarucus	balcanicus	8.8	1 3	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera		Tarucus Thecla	theophrastus betulae	14.5 44.4	13 11	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
639	Lepidoptera Lepidoptera	Lycaenidae	Tomares Tomares	ballus nogelii	30.9 23.3	11 11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009)	no no	NA NA
641	Lepidoptera	Lycaenidae	Ultraaricia	anteros	13	1 2	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
	Lepidoptera Lepidoptera	Lycaenidae Lycaenidae	Vacciniia Zizeeria	opilete knysna	14 10.6	1 1 1 3	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
644	Lepidoptera	Nymphalidae Nymphalidae	Aglais Apatura	urticae ilia	146.9 267.7	1 2 1 1.5	Tolman & Lewington (2009 Tolman & Lewington (2009	Tolman & Lewington (2009)	no no	NA NA
646	Lepidoptera	Nymphalidae	Apatura	iris	264.8	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
		Nymphalidae Nymphalidae	Apatura Araschnia	metis levana	236.2 38.9	1 2 1 2	Tolman & Lewington (2009) Tolman & Lewington (2009)	 Tolman & Lewington (2009) Tolman & Lewington (2009) 	no no	NA NA
649	Lepidoptera	Nymphalidae Nymphalidae	Argynnis Argynnis	adippe aglaja	247.3 192.8	11	Tolman & Lewington (2009) Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA NA
651		Nymphalidae	Argynnis Argynnis	laodice	179.4	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no no	NA
652 653	Lepidoptera Lepidoptera	Nymphalidae Nymphalidae	Argynnis Argynnis	niobe pandora	163.7 360.4	1 1 1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
654	Lepidoptera	Nymphalidae	Argynnis	paphia	186.5	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
655 656		Nymphalidae Nymphalidae	Boloria Boloria	aquilonaris graeca	68.2 86.6	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)) Tolman & Lewington (2009)	no no	NA NA
657 658	Lepidoptera Lepidoptera	Nymphalidae Nymphalidae	Boloria Boloria	napaea pales	84.1 66.4	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
659	Lepidoptera	Nymphalidae	Brenthis	daphne	121.8	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
660 661	Lepidoptera Lepidoptera	Nymphalidae Nymphalidae	Brenthis Brenthis	hecate ino	62.3 63.4	1 1 1 1	Tolman & Lewington (2009 Tolman & Lewington (2009)	Tolman & Lewington (2009)	no no	NA NA
		Nymphalidae	Clossiana Clossiana	chariclea dia	76.6 54.8	1 1 1 2.5	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no no	NA NA
664	Lepidoptera	Nymphalidae Nymphalidae	Clossiana	euphorysne	102.5	1.1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
		Nymphalidae Nymphalidae	Clossiana Clossiana	freija frigga	72.5 76.9	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
667	Lepidoptera	Nymphalidae	Clossiana	improba	51.4	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
669	Lepidoptera	Nymphalidae Nymphalidae	Clossiana Clossiana	polaris selene	87.7 72	1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009)	no no	NA NA
	Lepidoptera Lepidoptera	Nymphalidae Nymphalidae	Clossiana Clossiana	thore titania	100.3 113.3	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009)	no no	NA NA
672	Lepidoptera	Nymphalidae	Eurodryas	aurinia	93.2	1.1	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
674	Lepidoptera	Nymphalidae Nymphalidae	Eurodryas Hypodryas	desfontainii cynthia	147.3 93.3	1 1 1 1	Tolman & Lewington (2009 Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
675	Lepidoptera	Nymphalidae Nymphalidae	Hypodryas Hypodryas	iduna intermedia	85.5 101	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
677	Lepidoptera	Nymphalidae	Hypodryas	maturna	144.7	1.1	Tolman & Lewington (2009) Tolman & Lewington (2009)	no	NA
679	Lepidoptera	Nymphalidae Nymphalidae	Issoria Limenitis	lathonia populi	110.7 326	13 11	Tolman & Lewington (2009 Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
680 681		Nymphalidae Nymphalidae	Melitaea Melitaea	aetherica arduinna	163.9 126.3	1 1.5 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
682	Lepidoptera	Nymphalidae	Melitaea	cinxia	117.9	1 1.5	Tolman & Lewington (2009)) Tolman & Lewington (2009)	no	NA
		Nymphalidae Nymphalidae	Melitaea Melitaea	diamina didyma	59.8 60.4	1 1.5 1 2.5	Tolman & Lewington (2009) Tolman & Lewington (2009)		no no	NA NA
685	Lepidoptera	Nymphalidae	Melitaea	phoebe	84.4	1 2	Tolman & Lewington (2009	Tolman & Lewington (2009)	no	NA

#	Order	Family	Genus	Species	Size (mm³)	SpecimensVoltinism	Reference size	Reference voltinism	Increase of voltinism with latitudeIntra	specific variability size (%)
		Nymphalidae Nymphalidae	Melitaea Mellicta	trivia asteria	75.5 29	1 2 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
688	Lepidoptera	Nymphalidae	Mellicta	athalia	68.6	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
689 690	Lepidoptera Lepidoptera	Nymphalidae Nymphalidae	Mellicta Mellicta	aurelia britomartis	47.4 39.4	1 1 1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
691	Lepidoptera	Nymphalidae	Mellicta	deione	86	1 2	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
692 693	Lepidoptera Lepidoptera	Nymphalidae Nymphalidae	Mellicta Mellicta	parthenoides varia	52.9 56.6	1 1.5 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
694 695	Lepidoptera Lepidoptera	Nymphalidae Nymphalidae	Polygonia Polygonia	c-album egea	142.5 123.1	1 2 1 2.5	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
696	Lepidoptera	Nymphalidae	Proclossiana	eunomia	68.7	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA.
697 698		Papilionidae Papilionidae	Archon Papilio	apollinus alexanor	150.2 446.6	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
699 700	Lepidoptera	Papilionidae Papilionidae	Pamassius Pamassius	apollo mnemosyne	434.8 109.1	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
701	Lepidoptera	Papilionidae	Pamassius	phoebus	376.4	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
702 703		Papilionidae Papilionidae	Zerynthia Zerynthia	cerisy polyxena	112.5 134.9	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
704	Lepidoptera	Papilionidae	Zerynthia	rumina	100.2	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
705 706		Pieridae Pieridae	Anthocharis Anthocharis	belia cardamines	63.1 86.9	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
707 708		Pieridae Pieridae	Anthocharis Anthocharis	damone gruneri	57.4 23.6	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
709	Lepidoptera	Pieridae	Aporia	crataegi	167.3	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
710 711		Pieridae Pieridae	Artogeia Artogeia	bryoniae ergane	52.8 36.8	1 1 1 2.5	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
712	Lepidoptera	Pieridae	Artogeia	krueperi	74.6	1 3	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
713 714		Pieridae Pieridae	Artogeia Artogeia	mannii napi	42.3 45.1	1 3 1 2.5	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	yes no	NA NA
715 716		Pieridae Pieridae	Artogeia Colias	rapae alfacariensis	52.8 125	1 3 1 2.5	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
717	Lepidoptera	Pieridae	Colias	aurorina	156.7	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
718 719	Lepidoptera Lepidoptera	Pieridae Pieridae	Colias Colias	caucasia chrysotheme	103 59.7	1 1 1 3	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
720 721	Lepidoptera	Pieridae	Colias Colias	crocea erate	89.5 72.9	1 3 1 3	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
722		Pieridae	Colias	hecla	75.2	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
723 724	Lepidoptera Lepidoptera	Pieridae Pieridae	Colias Colias	hyale myrmidone	93 82.9	1 2.5 1 2	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
725 726		Pieridae	Colias Colias	nastes palaeno	79.2 66.3	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
727	Lepidoptera	Pieridae	Colias	phicomone	84.8	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
728 729	Lepidoptera Lepidoptera	Pieridae Pieridae	Colotis Euchloe	evagore ausonia	53.8 61.8	1 3 1 2	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
730	Lepidoptera	Pieridae	Euchloe	belemia	79.3	1 2	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
731 732	Lepidoptera Lepidoptera	Pieridae	Gonepteryx Gonepteryx	cleopatra farinosa	109.4 213.9	11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
733 734		Pieridae	Gonepteryx Leptidea	rhamni duponcheli	112.1 19.2	1 1 1 2	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
735	Lepidoptera	Pieridae	Leptidea	morsei	22.2	1 2	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA.
736 737	Lepidoptera Lepidoptera	Pieridae Pieridae	Leptidea Pieris	sinapis brassicae	25 82.2	1 2 1 3	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
738 739	Lepidoptera	Pieridae	Pontia Pontia	callidice chloridice	66.4	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA NA
740	Lepidoptera		Pontia	daplidice	33.2 83.7	1 2 1 3	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA
741 742	Lepidoptera Lepidoptera	Pieridae Satyridae	Zegris Aphantopus	eupheme hyperantus	103.6 37.5	11 11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
743	Lepidoptera	Satyridae	Arethusana	arethusa	85	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
744 745		Satyridae Satyridae	Chazara Chazara	briseis prieuri	159.8 133.3	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
746 747	Lepidoptera	Satyridae Satyridae	Coenonympha	arcania corinna	32.1 20.1	1 1 1 3	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
748	Lepidoptera	Satyridae	Coenonympha Coenonympha	dorus	24.8	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
749 750	Lepidoptera Lepidoptera	Satyridae Satyridae	Coenonympha Coenonympha	gardetta glycerion	37.9 35.8	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
751	Lepidoptera	Satyridae	Coenonympha	hero	26.8	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
752 753	Lepidoptera Lepidoptera	Satyridae Satyridae	Coenonympha Coenonympha	leander oedippus	37.8 62.5	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
754 755		Satyridae Satyridae	Coenonympha Coenonympha	pamphilus rhodopensis	19.1 47.5	1 3 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
756	Lepidoptera	Satyridae	Coenonympha	tullia	29.4	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA NA
757 758		Satyridae Satyridae	Erebia Erebia	aethiopella aethiops	48.5 46.6	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
759	Lepidoptera	Satyridae	Erebia	alberganus	80.1	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
760 761	Lepidoptera	Satyridae Satyridae	Erebia Erebia	calcaria cassioides	56.7 56.2	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
762 763	Lepidoptera Lepidoptera	Satyridae Satyridae	Erebia Erebia	christi claudina	43.7 42.7	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
764	Lepidoptera	Satyridae	Erebia	disa	104	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
765 766		Satyridae Satyridae	Erebia Erebia	embla epiphron	65.6 43.6	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
767 768	Lepidoptera	Satyridae Satyridae	Erebia Erebia	epistygne eriphyle	65.1 53.3	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
769	Lepidoptera	Satyridae	Erebia	euryale	59.8	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
770 771	Lepidoptera Lepidoptera	Satyridae Satyridae	Erebia Erebia	flavofasciata gorge	43.7 54.8	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
772 773	Lepidoptera Lepidoptera	Satyridae	Erebia Erebia	gorgone hispania	65.6	1 1 1 1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no no	NA NA
774	Lepidoptera	Satyridae	Erebia	lefebvrei	70.1	1.1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no	NA
775 776	Lepidoptera Lepidoptera	Satyridae Satyridae	Erebia Erebia	ligea manto	64 59.5	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
777 778	Lepidoptera Lepidoptera	Satyridae	Erebia Erebia	medusa melampus	56.4 35.3	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
779	Lepidoptera	Satyridae	Erebia	melas	83.9	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
780 781	Lepidoptera Lepidoptera	Satyridae Satyridae	Erebia Erebia	meolans mnestra	48.3 53	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
782 783	Lepidoptera	Satyridae Satyridae	Erebia Erebia	montana neoridas	67.4 59.2	11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
784	Lepidoptera	Satyridae	Erebia	nivalis	47.9	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
785 786	Lepidoptera Lepidoptera	Satyridae Satyridae	Erebia Erebia	oeme orientalis	83.9 42.4	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
787 788	Lepidoptera Lepidoptera	Satyridae	Erebia Erebia	ottomana palarica	64.6 98.5	11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
789	Lepidoptera	Satyridae	Erebia	pandrose	54.8	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
790 791	Lepidoptera Lepidoptera		Erebia Erebia	pharte pluto	42.5 95.8	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
792 793		Satyridae	Erebia Erebia	polaris pronoe	48.8 70.6	11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no	NA NA
794	Lepidoptera	Satyridae	Erebia	rhodopensis	55.2	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no no	NA
795 796	Lepidoptera Lepidoptera	Satyridae Satyridae	Erebia Erebia	scipio sthennyo	89.2 69.2	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
797	Lepidoptera	Satyridae	Erebia	stirius	93.2	11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA NA
798 799	Lepidoptera	Satyridae Satyridae	Erebia Erebia	styx sudetica	113.6 36	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
800 801	Lepidoptera	Satyridae Satyridae	Erebia Erebia	triaria tvndarus	75.8 47.5	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
802	Lepidoptera	Satyridae	Erebia	zapateri	50.6	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
803 804		Satyridae	Hipparchia Hipparchia	alcyone aristaeus	116.5 101.3	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
805 806	Lepidoptera Lepidoptera	Satyridae Satyridae	Hipparchia Hipparchia	fagi semele	181.1 101	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
807	Lepidoptera	Satyridae	Hipparchia	syriaca	157.1	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA
808 809	Lepidoptera Lepidoptera	Satyridae Satyridae	Hipparchia Hyponephele	volgenis Iupina	152.2 60.3	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
810 811	Lepidoptera	Satyridae Satyridae	Hyponephele Kanetisa	lycaon circe	62 199.2	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
812	Lepidoptera	Satyridae	Kirinia	climene	88.1	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA.
813 814		Satyridae Satyridae	Kirinia Lasiommata	roxelana maera	113.1 98.6	1 1 1 1.5	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
	Lepidoptera		Lasiommata Lasiommata	megera petropolitana	63.8 50.9	1 2.5 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
817	Lepidoptera	Satyridae	Lopinga	achine	82.3	1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	NA.
818 819	Lepidoptera Lepidoptera		Maniola Melanargia	jurtina arge	75 77.2	1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
820 821	Lepidoptera	Satyridae	Melanargia Melanargia	galathea ines	69 96.9	11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA
	Lepidoptera Lepidoptera	Satyridae	Melanargia Melanargia	ines lachesis	96.9 68.9	11	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no	NA NA

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#	Order	Family	Genus	Species	Size (mm³) Specimen	sVoltinism	Reference size	Reference voltinism	Increase of voltinism with latitudeIntraspecific var	riability size (%	%)
823	Lepidoptera	Satyridae	Melanargia	larissa	120.3	1 1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	N	NA
824 825	Lepidoptera Lepidoptera	Satyridae Satyridae	Melanargia Melanargia	occitanica russiae		1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no		NA NA
		Satyridae	Neohipparchia	fatua		1 1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no		NA
827	Lepidoptera	Satyridae	Neohipparchia	statilinus		1 1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no		NA
	Lepidoptera Lepidoptera	Satyridae Satyridae	Oeneis Oeneis	bore glacialis		1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no		NA NA
	Lepidoptera	Satyridae	Oeneis	jutta		1 1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no		NA
	Lepidoptera	Satyridae	Oeneis	noma .		11	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no		NA
	Lepidoptera Lepidoptera	Satyridae Satyridae	Pararge Proterebia	aegeria afra		1 2.5 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no		NA NA
	Lepidoptera	Satyridae	Pseudochazara	anthelea		1 1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no		NA
	Lepidoptera	Satyridae	Pseudochazara	cingovskii		1 1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no		NA
836 837	Lepidoptera Lepidoptera	Satyridae Satyridae	Pseudochazara Pseudochazara	geyeri graeca		1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no		NA NA
838	Lepidoptera	Satyridae	Pseudochazara	mniszechii		1 1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no		NA
839	Lepidoptera	Satyridae	Pseudochazara	orestes	135.7	1 1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no	N	NA
840 841	Lepidoptera Lepidoptera	Satyridae Satyridae	Pseudotergumia Pyronia	fidia bathseba		1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no		NA NA
		Satyridae	Pyronia	cecilia		1 1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no		NA
		Satyridae	Pyronia	tithonus		1.1	Tolman & Lewington (2009)	Tolman & Lewington (2009)	no		NA
844 845	Lepidoptera Lepidoptera	Satyridae Satyridae	Satyrus Satyrus	actaea ferula		1 1 1 1	Tolman & Lewington (2009) Tolman & Lewington (2009)	Tolman & Lewington (2009) Tolman & Lewington (2009)	no no		NA NA
	Odonata	Aeshnidae	Aeshna	affinis		1 1	Askew (1988)	Corbet et al. (2006)	no	0.1	
847	Odonata	Aeshnidae	Aeshna	caerulea		1 0.33	Askew (1988)	Corbet et al. (2006)	no	0.1	
848 849	Odonata Odonata	Aeshnidae Aeshnidae	Aeshna Aeshna	crenata cyanea		1 0.33 1 0.61	Askew (1988) Askew (1988)	Wildermuth & Martens (2014) Corbet et al. (2006)	no no	0.1 0.1	
850	Odonata	Aeshnidae	Aeshna	grandis		1 0.5	Askew (1988)	Corbet et al. (2006)	no		0.1
	Odonata	Aeshnidae	Aeshna	isosceles	1353	1 0.5	Askew (1988)	Corbet et al. (2006)	no	0.0	.06
852	Odonata Odonata	Aeshnidae	Aeshna	juncea		1 0.42	Askew (1988)	Corbet et al. (2006)	yes	0.2	
853 854	Odonata	Aeshnidae Aeshnidae	Aeshna Aeshna	mixta serrata		1 1 1 0.42	Askew (1988) Askew (1988)	Corbet et al. (2006) Wildermuth & Martens (2014)	no no	0.1	
855	Odonata	Aeshnidae	Aeshna	subarctica	1865	1 0.33	Askew (1988)	Corbet et al. (2006)	no	0.0	
856	Odonata	Aeshnidae	Aeshna	viridis		1 0.42	Askew (1988)	Corbet et al. (2006)	no	0.1	
	Odonata Odonata	Aeshnidae Aeshnidae	Anax Anax	imperator parthenope		1 1.17 1 1.17	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	yes no	0.2 0.1	
859	Odonata	Aeshnidae	Boyeria	irene	1200	1 0.5	Askew (1988)	Corbet et al. (2006)	no	0.1	12
	Odonata	Aeshnidae	Brachytron	pratense		1 0.61	Askew (1988)	Corbet et al. (2006)	no	0.1	
	Odonata Odonata	Aeshnidae Aeshnidae	Caliaeschna Hemianax	microstigma ephippiger		1 1 1 2	Askew (1988) Askew (1988)	Wildermuth & Martens (2014) Corbet et al. (2006)	no no	0.1 0.1	
863	Odonata	Calopterygidae	Calopteryx	haemorrhoidalis	323	1 0.5	Askew (1988)	Corbet et al. (2006)	no	0.0	.06
864	Odonata	Calopterygidae	Calopteryx	splendens	342	1 0.75	Askew (1988)	Corbet et al. (2006)	no	0.0	.06
865 866	Odonata Odonata	Calopterygidae Coenagrionidae	Calopteryx Cercion	virgo lindeni		1 0.75 1 1.5	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	no no	0.0 0.1	
	Odonata	Coenagrionidae	Ceriagrion	tenellum		1 0.5	Askew (1988)	Corbet et al. (2006)	no	0.1	
	Odonata	Coenagrionidae	Coenagrion	armatum		1 0.5	Askew (1988)	Corbet et al. (2006)	no	0.0	
869 870	Odonata Odonata	Coenagrionidae Coenagrionidae	Coenagrion Coenagrion	caerulescens hastulatum		1 1 1 0.61	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	no yes	0.0	0.1
	Odonata	Coenagrionidae	Coenagrion	lunulatum		1 1	Askew (1988)	Wildermuth & Martens (2014)	no	0.0	
872	Odonata	Coenagrionidae	Coenagrion	mercuriale	97	1 0.5	Askew (1988)	Corbet et al. (2006)	no	0.1	
	Odonata	Coenagrionidae	Coenagrion	ornatum		1 1.5	Askew (1988)	Wildermuth & Martens (2014) Corbet et al. (2006)	no	0.0	
874 875	Odonata Odonata	Coenagrionidae Coenagrionidae	Coenagrion Coenagrion	puella pulchellum		1 0.75 1 0.75	Askew (1988) Askew (1988)	Corbet et al. (2006)	no no	0.0 0.1	
	Odonata	Coenagrionidae	Coenagrion	scitulum	118	1 1	Askew (1988)	Wildermuth & Martens (2014)	no	0.	0.1
877 878	Odonata	Coenagrionidae Coenagrionidae	Enallagma	cyathigerum		1 1.17	Askew (1988)	Corbet et al. (2006)	yes	0.2	
	Odonata Odonata	Coenagrionidae	Erythromma Erythromma	najas viridulum		1 1 1 1.5	Askew (1988) Askew (1988)	Corbet et al. (2006) Wildermuth & Martens (2014)	no no	0.1 0.2	
	Odonata	Coenagrionidae	Ischnura	elegans	82	1 1.62	Askew (1988)	Corbet et al. (2006)	yes	0.1	
881	Odonata	Coenagrionidae	Ischnura	graellsi		1 2.5	Askew (1988)	Corbet et al. (2006)	no	0.1	
	Odonata Odonata	Coenagrionidae Coenagrionidae	Ischnura Nehalennia	pumilio speciosa		1 2 1 1.5	Askew (1988) Askew (1988)	Corbet et al. (2006) Wildermuth & Martens (2014)	yes no	0.1 0.0	
884	Odonata	Coenagrionidae	Pyrrhosoma	nymphula		1 0.75	Askew (1988)	Corbet et al. (2006)	yes	0.0	
	Odonata	Cordulegastridae	Cordulegaster	boltoni		1 0.33	Askew (1988)	Corbet et al. (2006)	no	0.0	
886 887	Odonata Odonata	Cordulegastridae Corduliidae	Cordulegaster Cordulia	heros aenea		1 0.33 1 0.42	Askew (1988) Askew (1988)	Wildermuth & Martens (2014) Corbet et al. (2006)	no yes	0.0	
888	Odonata	Corduliidae	Epitheca	bimaculata		1 0.5	Askew (1988)	Corbet et al. (2006)	no	0.1	
889	Odonata	Corduliidae	Macromia	splendens	1359	1 0.5	Askew (1988)	Corbet et al. (2006)	no	0.0	.07
	Odonata	Corduliidae	Oxygastra	curtisi		1 0.42	Askew (1988)	Wildermuth & Martens (2014)	no	0.1	
891 892	Odonata Odonata	Corduliidae Corduliidae	Somatochlora Somatochlora	alpestris arctica		1 0.42 1 0.33	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	no no	0.1 0.1	
893	Odonata	Corduliidae	Somatochlora	flavomaculata	569	1 0.33	Askew (1988)	Corbet et al. (2006)	no	0.1	.18
894 895	Odonata Odonata	Corduliidae Corduliidae	Somatochlora Somatochlora	metallica sahlberai		1 0.42 1 0.33	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	no	0.0 0.0	
	Odonata	Gomphidae	Gomphus	flavipes		1 0.33	Askew (1988)	Corbet et al. (2006)	no yes		0.1
897	Odonata	Gomphidae	Gomphus	graslini	469	1 0.42	Askew (1988)	Wildermuth & Martens (2014)	no	0.0	
898 899	Odonata Odonata	Gomphidae Gomphidae	Gomphus Gomphus	pulchellus simillimus		1 0.42 1 0.33	Askew (1988) Askew (1988)	Corbet et al. (2006) Wildermuth & Martens (2014)	no no	0.0	
900	Odonata	Gomphidae	Gomphus	vulgatissimus		1 0.33	Askew (1988)	Corbet et al. (2006)	ves	0.1	
	Odonata	Gomphidae	Lindenia	tetraphylla	949	1 1.5	Askew (1988)	Wildermuth & Martens (2014)	no	0.1	15
902 903	Odonata Odonata	Gomphidae Gomphidae	Onychogomphus Onychogomphus	costae forcipatus		1 0.75 1 0.33	Askew (1988) Askew (1988)	Wildermuth & Martens (2014) Corbet et al. (2006)	no no	0.0	
	Odonata	Gomphidae	Onychogomphus	uncatus		1 0.33	Askew (1988)	Corbet et al. (2006)	yes	0.0	
905	Odonata	Gomphidae	Ophigomphus	cecilia	939	1 0.42	Askew (1988)	Corbet et al. (2006)	no	0.1	.18
906 907	Odonata Odonata	Gomphidae Lestidae	Paragomphus Lestes	genei barbarus		1 2 1 1	Askew (1988) Askew (1988)	Corbet et al. (2006) Wildermuth & Martens (2014)	no no	0. 0.1	0.3 12
	Odonata	Lestidae	Lestes	dryas		1 1	Askew (1988)	Corbet et al. (2006)	no	0.1	
	Odonata	Lestidae	Lestes	macrostigma		1 1	Askew (1988)	Wildermuth & Martens (2014)	no	0.2	
910 911	Odonata Odonata	Lestidae Lestidae	Lestes Lestes	sponsa virens	140 105	1 1 1 1	Askew (1988) Askew (1988)	Corbet et al. (2006) Wildermuth & Martens (2014)	no no	0.1 0.2	11 26
912	Odonata	Lestidae	Lestes	viridis	234	1 1	Askew (1988)	Corbet et al. (2006)	no	0.2	.21
	Odonata	Lestidae	Sympecma	fusca		1 1	Askew (1988)	Corbet et al. (2006)	no	0.1	
	Odonata Odonata	Libellulidae Libellulidae	Brachythemis Crocothemis	leucosticta erythraea		1 2 1 2.5	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	no no	0.3	
916	Odonata	Libellulidae	Diplacodes	lefebvrei	140	1 2	Askew (1988)	Corbet et al. (2006)	no	0.3	.31
	Odonata	Libellulidae	Leucorrhinia	albifrons	251	1 0.5	Askew (1988)	Wildermuth & Martens (2014)	no	0.1	.17
918 919	Odonata Odonata	Libellulidae Libellulidae	Leucorrhinia Leucorrhinia	caudalis dubia		1 1 1 0.42	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	no yes	0.1 0.1	
920	Odonata	Libellulidae	Leucorrhinia	pectoralis	493	1 0.42	Askew (1988)	Corbet et al. (2006)	no	0.	0.2
	Odonata	Libellulidae	Leucorrhinia	rubicunda		1 0.5	Askew (1988)	Wildermuth & Martens (2014)	no		0.2
922 923	Odonata Odonata	Libellulidae Libellulidae	Libellula Libellula	depressa fulva		1 0.75 1 0.5	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	yes no	0.2	
924	Odonata	Libellulidae	Libellula	quadrimaculata	1063	1 1	Askew (1988)	Corbet et al. (2006)	no	0.1	.18
925	Odonata	Libellulidae	Orthetrum	albistylum	1197	1 1.5	Askew (1988)	Corbet et al. (2006)	no	0.1	.11
	Odonata Odonata	Libellulidae Libellulidae	Orthetrum Orthetrum	brunneum cancellatum		1 1.5 1 1.17	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	no no	0.1 0.1	
928	Odonata	Libellulidae	Orthetrum	chrysostigma	338	1 2.5	Askew (1988)	Corbet et al. (2006)	no	0.1	
	Odonata	Libellulidae	Orthetrum	coerulescens	415	1 1.5	Askew (1988)	Corbet et al. (2006)	no	0.2	22
	Odonata Odonata	Libellulidae Libellulidae	Orthetrum Pantala	trinacria flavescens		13 12	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	no yes	0.2	.27 0.2
932	Odonata	Libellulidae	Sympetrum	danae	245	1 1	Askew (1988)	Corbet et al. (2006)	no	0.1	16
	Odonata	Libellulidae	Sympetrum	depressiusculum		1 1	Askew (1988)	Corbet et al. (2006)	no	0.1	16
	Odonata Odonata	Libellulidae Libellulidae	Sympetrum Sympetrum	flaveolum fonscolombei		1 2 1 2.5	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	no yes	0.1 0.1	
936	Odonata	Libellulidae	Sympetrum	pedemontanum	183	1 1	Askew (1988)	Corbet et al. (2006)	no	0.2	22
937	Odonata	Libellulidae	Sympetrum	sanguineum	277	1 1	Askew (1988)	Corbet et al. (2006)	no	0.1	.14
	Odonata Odonata	Libellulidae Libellulidae	Sympetrum Sympetrum	striolatum vulgatum		1 1.5 1 1	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	yes no	0.2 0.1	
940	Odonata	Libellulidae	Trithemis	annulata	320	1 2.5	Askew (1988)	Corbet et al. (2006)	no	0.1	.17
	Odonata	Platycnemididae	Platycnemis	acutipennis		1.1	Askew (1988)	Wildermuth & Martens (2014)	no	0.0	
	Odonata Odonata	Platycnemididae Platycnemididae	Platycnemis Platycnemis	latipes pennipes		1 1 1 1	Askew (1988) Askew (1988)	Corbet et al. (2006) Corbet et al. (2006)	no no	0.1	
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