

**Material suplementario /**  
**Supplementary material**



**BLOQUE / BLOCK I**

**Aportación / Contribution I.I**

**Table S1.** Studied Calliphoridae sequences for the Cyt-b (307 bp) molecular marker. The table shows species, number of specimen (N), accession number (AN), submission date (SD), case, origin and locality.

Species	N	AN	SD	Case	Origin	Locality
<i>Ch. albiceps</i>	1	JF706087	17-MAR-2011	642.05	Portugal	Porto <sup>a</sup>
	2	JF706088	17-MAR-2011	642.05	Portugal	Porto <sup>a</sup>
	3	JF706089	17-MAR-2011	642.05	Portugal	Porto <sup>a</sup>
	4	JF706090	17-MAR-2011	617.05	Portugal	Porto <sup>b</sup>
	5	JF706091	17-MAR-2011	617.05	Portugal	Porto <sup>b</sup>
	6	JF706092	17-MAR-2011	617.05	Portugal	Porto <sup>b</sup>
	7	JF706093	17-MAR-2011	617.05	Portugal	Porto <sup>b</sup>
	8	JF706094	17-MAR-2011	617.05	Portugal	Porto <sup>b</sup>
	9	JF706095	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	10	JF706096	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	11	JF706097	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	12	JF706098	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	13	JF706099	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	14	JF706100	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	15	JF706101	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	16	JF706102	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	17	JF706103	17-MAR-2011	529.05	Portugal	Porto <sup>b</sup>
	18	JF706104	17-MAR-2011	529.05	Portugal	Porto <sup>b</sup>
	19	JF706105	17-MAR-2011	529.05	Portugal	Porto <sup>b</sup>
	20	JF706106	17-MAR-2011	529.05	Portugal	Porto <sup>b</sup>
	21	JF706107	17-MAR-2011	529.05	Portugal	Porto <sup>b</sup>
	22	JF706108	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	23	JF706109	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	24	JF706110	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	25	JF706111	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	26	JF706112	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	27	JF706113	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	28	JF706114	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	29	JF706115	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	30	JF706116	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	31	JF706117	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	32	JF706118	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	33	JF706119	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	34	JF706120	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	35	JF706121	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	36	JF706122	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	37	JF706123	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	38	JF706124	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	39	JF706125	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	40	JF706126	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	41	JF706127	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	42	JF706128	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	43	JF706129	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	44	JF706130	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	45	JF706131	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	46	JF706132	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	47	JF706133	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	48	JF706134	17-MAR-2011	642.05	Portugal	Porto <sup>a</sup>
	49	JF706135	17-MAR-2011	642.05	Portugal	Porto <sup>a</sup>
	50	JF706136	17-MAR-2011	617.05	Portugal	Porto <sup>b</sup>
	51	JF706137	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	52	JF706138	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	53	JF706139	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	54	JF706140	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	55	JF706141	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	56	JF706142	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	57	JF706143	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	58	JF706144	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>
	59	JF706145	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>

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	60	JF 706146	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>
	61	JF 706147	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>
	62	JF 706148	17-MAR-2011	Lei.03	Portugal	Leiria <sup>d</sup>
	63	JF 706149	17-MAR-2011	Lei.03	Portugal	Leiria <sup>d</sup>
	64	JF 706150	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	65	JF 706151	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>
<i>C. vicina</i>	1	JF 705985	17-MAR-2011	224.07	Portugal	Porto <sup>a</sup>
	2	JF 705986	17-MAR-2011	224.07	Portugal	Porto <sup>a</sup>
	3	JF 705987	17-MAR-2011	224.07	Portugal	Porto <sup>a</sup>
	4	JF 705988	17-MAR-2011	224.07	Portugal	Porto <sup>a</sup>
	5	JF 705989	17-MAR-2011	160.07	Portugal	Porto <sup>a</sup>
	6	JF 705990	17-MAR-2011	160.07	Portugal	Porto <sup>a</sup>
	7	JF 705991	17-MAR-2011	160.07	Portugal	Porto <sup>a</sup>
	8	JF 705992	17-MAR-2011	160.07	Portugal	Porto <sup>a</sup>
	9	JF 705993	17-MAR-2011	160.07	Portugal	Porto <sup>a</sup>
	10	JF 705994	17-MAR-2011	160.07	Portugal	Porto <sup>a</sup>
	11	JF 705995	17-MAR-2011	35.07	Portugal	Porto <sup>a</sup>
	12	JF 705996	17-MAR-2011	35.07	Portugal	Porto <sup>a</sup>
	13	JF 705997	17-MAR-2011	35.07	Portugal	Porto <sup>a</sup>
	14	JF 705998	17-MAR-2011	35.07	Portugal	Porto <sup>a</sup>
	15	JF 705999	17-MAR-2011	Rq.06	Portugal	Porto <sup>a</sup>
	16	JF 706000	17-MAR-2011	Rq.06	Portugal	Porto <sup>a</sup>
	17	JF 706001	17-MAR-2011	Rq.06	Portugal	Porto <sup>a</sup>
	18	JF 706002	17-MAR-2011	Rq.06	Portugal	Porto <sup>a</sup>
	19	JF 706003	17-MAR-2011	Rq.06	Portugal	Porto <sup>a</sup>
	20	JF 706004	17-MAR-2011	Rq.06	Portugal	Porto <sup>a</sup>
	21	JF 706005	17-MAR-2011	434.05	Portugal	Porto <sup>a</sup>
	22	JF 706006	17-MAR-2011	307.04	Portugal	Porto <sup>b</sup>
	23	JF 706007	17-MAR-2011	94.04	Portugal	Porto <sup>a</sup>
	24	JF 706008	17-MAR-2011	94.04	Portugal	Porto <sup>a</sup>
	25	JF 706009	17-MAR-2011	94.04	Portugal	Porto <sup>a</sup>
	26	JF 706010	17-MAR-2011	94.04	Portugal	Porto <sup>a</sup>
	27	JF 706011	17-MAR-2011	94.04	Portugal	Porto <sup>a</sup>
	28	JF 706012	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	29	JF 706013	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	30	JF 706014	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	31	JF 706015	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	32	JF 706016	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	33	JF 706017	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	34	JF 706018	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	35	JF 706019	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	36	JF 706020	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	37	JF 706021	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	38	JF 706022	17-MAR-2011	969.04	Portugal	Porto <sup>a</sup>
	39	JF 706023	17-MAR-2011	176.04	Portugal	Porto <sup>a</sup>
	40	JF 706024	17-MAR-2011	176.04	Portugal	Porto <sup>a</sup>
	41	JF 706025	17-MAR-2011	176.04	Portugal	Porto <sup>a</sup>
	42	JF 706026	17-MAR-2011	176.04	Portugal	Porto <sup>a</sup>
	43	JF 706027	17-MAR-2011	176.04	Portugal	Porto <sup>a</sup>
	44	JF 706028	17-MAR-2011	176.04	Portugal	Porto <sup>a</sup>
	45	JF 706029	17-MAR-2011	176.04	Portugal	Porto <sup>a</sup>
	46	JF 706030	17-MAR-2011	230.04	Portugal	Porto <sup>a</sup>
	47	JF 706031	17-MAR-2011	230.04	Portugal	Porto <sup>a</sup>
	48	JF 706032	17-MAR-2011	230.04	Portugal	Porto <sup>a</sup>
	49	JF 706033	17-MAR-2011	230.04	Portugal	Porto <sup>a</sup>
	50	JF 706034	17-MAR-2011	230.04	Portugal	Porto <sup>a</sup>
	51	JF 706035	17-MAR-2011	994.04	Portugal	Porto <sup>b</sup>
	52	JF 706036	17-MAR-2011	994.04	Portugal	Porto <sup>b</sup>
	53	JF 706037	17-MAR-2011	994.04	Portugal	Porto <sup>b</sup>
	54	JF 706038	17-MAR-2011	994.04	Portugal	Porto <sup>b</sup>
	55	JF 706039	17-MAR-2011	994.04	Portugal	Porto <sup>b</sup>
	56	JF 706040	17-MAR-2011	901.07	Portugal	Porto <sup>d</sup>
	57	JF 706041	17-MAR-2011	901.07	Portugal	Porto <sup>d</sup>
	58	JF 706042	17-MAR-2011	1329.07	Portugal	Porto <sup>b</sup>
	59	JF 706043	17-MAR-2011	224.07	Portugal	Porto <sup>a</sup>
	60	JF 706044	17-MAR-2011	224.07	Portugal	Porto <sup>a</sup>
61	JF 706045	17-MAR-2011	160.07	Portugal	Porto <sup>a</sup>	
<i>C. vomitoria</i>	1	JF 706046	17-MAR-2011	994.04	Portugal	Porto <sup>b</sup>
	2	JF 706047	17-MAR-2011	221.07	Portugal	Porto <sup>b</sup>
	3	JF 706048	17-MAR-2011	221.07	Portugal	Porto <sup>b</sup>
	4	JF 706049	17-MAR-2011	35.07	Portugal	Porto <sup>a</sup>

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	5	JF706050	17-MAR-2011	412.06	Portugal	Porto <sup>b</sup>
	6	JF706051	17-MAR-2011	412.06	Portugal	Porto <sup>b</sup>
	7	JF706052	17-MAR-2011	412.06	Portugal	Porto <sup>b</sup>
	8	JF706053	17-MAR-2011	412.06	Portugal	Porto <sup>b</sup>
	9	JF706054	17-MAR-2011	412.06	Portugal	Porto <sup>b</sup>
	10	JF706055	17-MAR-2011	412.06	Portugal	Porto <sup>b</sup>
	11	JF706056	17-MAR-2011	412.06	Portugal	Porto <sup>b</sup>
	12	JF706057	17-MAR-2011	Guar.04	Portugal	Guarda <sup>b</sup>
	13	JF706058	17-MAR-2011	Guar.04	Portugal	Guarda <sup>b</sup>
	14	JF706059	17-MAR-2011	Guar.04	Portugal	Guarda <sup>b</sup>
	15	JF706060	17-MAR-2011	Guar.04	Portugal	Guarda <sup>b</sup>
	16	JF706061	17-MAR-2011	Guar.04	Portugal	Guarda <sup>b</sup>
	17	JF706062	17-MAR-2011	385.04	Portugal	Porto <sup>b</sup>
	18	JF706063	17-MAR-2011	307.04	Portugal	Porto <sup>b</sup>
	19	JF706064	17-MAR-2011	307.04	Portugal	Porto <sup>b</sup>
	20	JF706065	17-MAR-2011	307.04	Portugal	Porto <sup>b</sup>
	21	JF706066	17-MAR-2011	307.04	Portugal	Porto <sup>b</sup>
	22	JF706067	17-MAR-2011	36.04	Portugal	Porto <sup>b</sup>
	23	JF706068	17-MAR-2011	36.04	Portugal	Porto <sup>b</sup>
	24	JF706069	17-MAR-2011	36.04	Portugal	Porto <sup>b</sup>
	25	JF706070	17-MAR-2011	36.04	Portugal	Porto <sup>b</sup>
	26	JF706071	17-MAR-2011	36.04	Portugal	Porto <sup>b</sup>
	27	JF706072	17-MAR-2011	94.04	Portugal	Porto <sup>b</sup>
	28	JF706073	17-MAR-2011	812.04	Portugal	Porto <sup>b</sup>
	29	JF706074	17-MAR-2011	384.05	Portugal	Porto <sup>a</sup>
	30	JF706075	17-MAR-2011	1329.07	Portugal	Porto <sup>b</sup>
	31	JF706076	17-MAR-2011	1329.07	Portugal	Porto <sup>b</sup>
	32	JF706077	17-MAR-2011	1329.07	Portugal	Porto <sup>b</sup>
	33	JF706078	17-MAR-2011	1329.07	Portugal	Porto <sup>b</sup>
	34	JF706079	17-MAR-2011	1329.07	Portugal	Porto <sup>b</sup>
	35	JF706080	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>
	36	JF706081	17-MAR-2011	221.07	Portugal	Porto <sup>b</sup>
	37	JF706082	17-MAR-2011	221.07	Portugal	Porto <sup>b</sup>
	38	JF706083	17-MAR-2011	Rq.06	Portugal	Porto <sup>a</sup>
	39	JF706084	17-MAR-2011	412.06	Portugal	Porto <sup>b</sup>
	40	JF706085	17-MAR-2011	385.04	Portugal	Porto <sup>b</sup>
	41	JF706086	17-MAR-2011	36.04	Portugal	Porto <sup>b</sup>
<i>L. sericata</i>	1	JF706158	17-MAR-2011	638.05	Portugal	Porto <sup>a</sup>
	2	JF706159	17-MAR-2011	638.05	Portugal	Porto <sup>a</sup>
	3	JF706160	17-MAR-2011	638.05	Portugal	Porto <sup>a</sup>
	4	JF706161	17-MAR-2011	801.05	Portugal	Porto <sup>d</sup>
	5	JF706162	17-MAR-2011	801.05	Portugal	Porto <sup>d</sup>
	6	JF706163	17-MAR-2011	801.05	Portugal	Porto <sup>d</sup>
	7	JF706164	17-MAR-2011	384.05	Portugal	Porto <sup>a</sup>
	8	JF706165	17-MAR-2011	384.05	Portugal	Porto <sup>a</sup>
	9	JF706166	17-MAR-2011	384.05	Portugal	Porto <sup>a</sup>
	10	JF706167	17-MAR-2011	384.05	Portugal	Porto <sup>a</sup>
	11	JF706168	17-MAR-2011	384.05	Portugal	Porto <sup>a</sup>
	12	JF706169	17-MAR-2011	384.05	Portugal	Porto <sup>a</sup>
<i>L. ampullacea</i>	1	JF706152	17-MAR-2011	598.05	Portugal	Porto <sup>a</sup>
	2	JF706153	17-MAR-2011	598.05	Portugal	Porto <sup>a</sup>
	3	JF706154	17-MAR-2011	598.05	Portugal	Porto <sup>a</sup>
	4	JF706155	17-MAR-2011	598.05	Portugal	Porto <sup>a</sup>
	5	JF706156	17-MAR-2011	598.05	Portugal	Porto <sup>a</sup>
<i>L. caesar</i>	1	JF706157	17-MAR-2011	598.05	Portugal	Porto <sup>a</sup>

<sup>a</sup>House; <sup>b</sup>Field; <sup>c</sup>Public thoroughfare; <sup>d</sup>Unspecified.









*Material suplementario / Supplementary material*

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**Table S4.** Cyt-b (307 bp) region homology search between studied (*Ch. albiceps*, *C. vicina*, *C. vomitoria*, *L. sericata*, *L. ampullacea* and *L. caesar*) and GenBank species. The table shows studied species, GenBank species (GB) and accession number (AN), Maximum Identity percentage (MI >90 %) and E value.

Studied species	GB	AN	MI	E value
<i>Ch. albiceps</i>	<i>L. sericata</i>	AJ422212	92%	9e-119
	<i>Ch. megacephala</i>	AJ426041	92%	7e-115
	<i>Ch. putoria</i>	AF352790	92%	2e-121
<i>C. vicina</i>	<i>Ch. putoria</i>	AF352790	94%	7e-125
	<i>L. sericata</i>	AJ422212	93%	7e-120
	<i>Ch. megacephala</i>	AJ426041	92%	7e-120
	<i>H. multimaculatus</i>	DQ369381	91%	3e-104
<i>C. vomitoria</i>	<i>Ch. megacephala</i>	AJ426041	93%	7e-125
	<i>Ch. putoria</i>	AF352790	92%	3e-118
	<i>D. ananassae</i>	EU601713	91%	6e-56
	<i>D. pallidosa</i>	EU601643	91%	6e-56
	<i>H. multimaculatus</i>	DQ369381	91%	3e-103
	<i>D. melanogaster</i>	EU494141	91%	6e-101
<i>L. sericata</i>	<i>L. sericata</i>	AJ422212	100%	9e-159
	<i>Ch. megacephala</i>	AJ426041	92%	9e-119
	<i>Ch. putoria</i>	AF352790	92%	7e-120
	<i>D. barbae</i>	EU494139	92%	3e-118
	<i>Cha. maculosa</i>	DQ006909	91%	3e-99
	<i>S. crassipalpis</i>	EZ611122	91%	3e-113
<i>L. caesar</i>	<i>L. sericata</i>	AJ422212	95%	2e-131
	<i>Ch. megacephala</i>	AJ426041	93%	7e-125
	<i>Chr. putoria</i>	AF352790	92%	2e-116
	<i>D. barbae</i>	EU494139	92%	7e-115
<i>L. ampullacea</i>	<i>L. sericata</i>	AJ422212	93%	2e-121
	<i>Ch. megacephala</i>	AJ426041	92%	7e-120
	<i>S. crassipalpis</i>	EZ611122	91%	2e-111
	<i>D. barbae</i>	EU494139	91%	7e-110

Aportación / Contribution I.II

**Table S5.** Studied Calliphoridae sequences for the COI barcode (658 bp), COI (616 bp), Cyt-b (307 bp), Cyt-b-tRNA<sup>ser</sup>-ND1 and ITS2 (310-337 bp) molecular markers. The table shows species, number of specimens (N), accession number (AN), submission date (SD), origin and locality.

Species	N	COI barcode	COI 616 bp	Cyt-b	Cyt-b-tRNA <sup>ser</sup> -ND1	ITS2	SD	Origin	Locality
		AN	AN	AN	AN	AN			
<i>P. regina</i>	1	KF225240	KF225240	KF225249	KF225186	KF225303	11-JUN-2013	Germany	Dülmens <sup>a</sup>
	2	KF225241	KF225241	KF225250	KF225187	KF225304	11-JUN-2013	Germany	Dülmens <sup>a</sup>
	3	KF225242	KF225242	KF225251	KF225188	KF225305	11-JUN-2013	Germany	Dülmens <sup>a</sup>
	4	KF225243	KF225243	KF225252	KF225189	KF225306	11-JUN-2013	Germany	Dülmens <sup>a</sup>
	5	KF225244	KF225244	KF225253	KF225190	KF225307	11-JUN-2013	Germany	Dülmens <sup>a</sup>
	6	KF225245	KF225245	KF225254	KF225191	KF225308	11-JUN-2013	Germany	Dülmens <sup>a</sup>
	7	KF225246	KF225246	KF225255	KF225192	KF225309	11-JUN-2013	Germany	Dülmens <sup>a</sup>
	8	KF225247	KF225247	KF225256	KF225193	KF225310	11-JUN-2013	Germany	Dülmens <sup>a</sup>
	9	KF225248	KF225248	KF225257	KF225194	KF225311	11-JUN-2013	Germany	Dülmens <sup>a</sup>
<i>C. vicina</i>	1	KF225195	KF225195	-	KF225150	KF225258	11-JUN-2013	Germany	Münster <sup>b</sup>
	2	KF225196	KF225196	-	KF225151	KF225259	11-JUN-2013	Germany	Münster <sup>b</sup>
	3	KF225197	KF225197	-	KF225152	KF225260	11-JUN-2013	Germany	Münster <sup>b</sup>
	4	KF225198	KF225198	-	KF225153	KF225261	11-JUN-2013	Germany	Münster <sup>b</sup>
	5	KF225199	KF225199	-	KF225154	KF225262	11-JUN-2013	Germany	Münster <sup>b</sup>
	6	KF225200	KF225200	-	KF225155	KF225263	11-JUN-2013	Germany	Münster <sup>b</sup>
	7	KF225201	KF225201	-	KF225156	KF225264	11-JUN-2013	Germany	Münster <sup>b</sup>
	8	KF225202	KF225202	-	KF225157	KF225265	11-JUN-2013	Germany	Münster <sup>b</sup>
	9	KF225203	KF225203	-	KF225158	KF225266	11-JUN-2013	Germany	Münster <sup>b</sup>
	10	KF225204	KF225204	-	KF225159	KF225267	11-JUN-2013	Germany	Münster <sup>b</sup>
	11	KF225205	KF225205	-	KF225160	KF225268	11-JUN-2013	Germany	Münster <sup>b</sup>
	12	KF225206	KF225206	-	KF225161	KF225269	11-JUN-2013	Germany	Münster <sup>b</sup>
	13	KF225207	KF225207	-	KF225162	KF225270	11-JUN-2013	Germany	Münster <sup>b</sup>
	14	KF225208	KF225208	-	KF225163	KF225271	11-JUN-2013	Germany	Münster <sup>b</sup>
	15	KF225209	KF225209	-	KF225164	KF225272	11-JUN-2013	Germany	Münster <sup>b</sup>
	16	KF225210	KF225210	-	KF225165	KF225273	11-JUN-2013	Germany	Münster <sup>b</sup>
	17	KF225211	KF225211	-	KF225166	KF225274	11-JUN-2013	Germany	Münster <sup>b</sup>
	18	KF225212	KF225212	-	KF225167	KF225275	11-JUN-2013	Germany	Münster <sup>b</sup>
	19	KF225213	KF225213	-	KF225168	KF225276	11-JUN-2013	Germany	Münster <sup>b</sup>
	20	KF225214	KF225214	-	KF225169	KF225277	11-JUN-2013	Germany	Münster <sup>b</sup>
	21	KF225215	KF225215	-	KF225170	KF225278	11-JUN-2013	Germany	Münster <sup>b</sup>
	22	KF225216	KF225216	-	KF225171	KF225279	11-JUN-2013	Germany	Münster <sup>b</sup>
	23	KF225217	KF225217	-	KF225172	KF225280	11-JUN-2013	Germany	Münster <sup>b</sup>
	24	KF225218	KF225218	-	KF225173	KF225281	11-JUN-2013	Germany	Münster <sup>b</sup>
	25	KF225219	KF225219	-	KF225174	KF225282	11-JUN-2013	Germany	Münster <sup>b</sup>
	26	KF225220	KF225220	-	-	KF225283	11-JUN-2013	Germany	Münster <sup>b</sup>
	27	KF225221	KF225221	-	-	KF225284	11-JUN-2013	Germany	Münster <sup>b</sup>
	28	KF225222	KF225222	-	-	KF225285	11-JUN-2013	Germany	Münster <sup>b</sup>
	29	KF225223	KF225223	-	-	KF225286	11-JUN-2013	Germany	Greven <sup>a</sup>
	30	KF225224	KF225224	-	-	KF225287	11-JUN-2013	Germany	Greven <sup>a</sup>
	31	KF225225	KF225225	-	-	KF225288	11-JUN-2013	Germany	Münster <sup>b</sup>
	32	KF225226	KF225226	-	-	KF225289	11-JUN-2013	Germany	Münster <sup>b</sup>
	33	KF225227	KF225227	-	-	KF225290	11-JUN-2013	Germany	Münster <sup>b</sup>
	34	KF225228	KF225228	-	-	KF225291	11-JUN-2013	Germany	Münster <sup>b</sup>
	35	KF225229	KF225229	-	KF225175	KF225292	11-JUN-2013	Germany	Sassenberg <sup>c</sup>
<i>L. sericata</i>	1	KF225235	KF225235	-	KF225181	KF225298	11-JUN-2013	Germany	Münster <sup>b</sup>
	2	KF225236	KF225236	-	KF225182	KF225299	11-JUN-2013	Germany	Münster <sup>b</sup>
<i>L. ampullacea</i>	1	KF225230	KF225230	-	KF225176	KF225293	11-JUN-2013	Germany	Münster <sup>b</sup>
	2	KF225231	KF225231	-	KF225177	KF225294	11-JUN-2013	Germany	Münster <sup>b</sup>
	3	KF225232	KF225232	-	KF225178	KF225295	11-JUN-2013	Germany	Münster <sup>b</sup>
	4	KF225233	KF225233	-	KF225179	KF225296	11-JUN-2013	Germany	Münster <sup>b</sup>
	5	KF225234	KF225234	-	KF225180	KF225297	11-JUN-2013	Germany	Münster <sup>b</sup>
<i>L. caesar</i>	1	KF225237	KF225237	-	KF225183	KF225300	11-JUN-2013	Germany	Münster <sup>b</sup>
	2	KF225238	KF225238	-	KF225184	KF225301	11-JUN-2013	Germany	Münster <sup>b</sup>
	3	KF225239	KF225239	-	KF225185	KF225302	11-JUN-2013	Germany	Münster <sup>b</sup>

<sup>a</sup> rural; <sup>b</sup> urban; <sup>c</sup> suburban-rural

## Material suplementario / Supplementary material

**Table S6.** Amplification primers. The table shows molecular marker (MM), Length in base pair (bp), region location taking the *Drosophila yakuba* (NC001322) mitochondrial genome as reference, primer name and primer nucleotide sequence. Nucleotide notation follow IUB code.

MM	Length (bp)	<i>D. yakuba</i>		Primer name	Primer sequence
COI barcode	658	1515-2172		LCO1490	5'- TTT CAA CTA ATC ATA AAG ATA TTG G -3'
				HCO2198	5'- TAA ACT TCA GGA TGA CCA AAG AAT CA -3'
COI 616 bp*	616*	384	2135-2518	COI-1_F2115	5'- TACT TCA TTC TTT GAC CCA G -3'
				COI-1_R2538	5'- AAC AAC TCC AGT TAA TCC TC -3'
		330	2459-2788	COI-2_F2439	5'- AGC AAC TCT TTA TGG AAC TC -3'
				COI-2_R2808	5'- GTA AGC ATC TGG GTA ATC TG -3'
Cyt-b-tRNA <sup>Asp</sup> -ND1	495-496	11537-12039		CYTB_F11509	5'- CTG TAA TTT TAT TAA CTT GAA TTG GAG C -3'
				ND1_R12063	5'- AGG AGA GTC AGA ATT AGT TTC AGG -3'
Cyt-b	307	10613-10919		L14816	5'-CCA TCC AAC ATC TCA GCA TGA TGA AA-3'
				H15173	5'-CCC CTC AGA ATG ATA TTT GTC CTC A-3'
				ITS2	5'- TGC TTG GAC TAC ATA TGG TTG A -3'
ITS2	310-337	-		ITS2_F2814-2835	5'- TGC TTG GAC TAC ATA TGG TTG A -3'
				ITS2_R3295-3317	5'- GTA GTC CCA TAT GAG TTG AGG TT -3'

\* Amplification in two steps.

**Table S7.** GenBank COI (1274 bp) sequences included in the analysis. The table shows species, number of specimens (N), accession number (AN), haplotypes (H), authors, submission date (SD) and origin.

Species	N	AN	H	Authors	SD	Origin
<i>Ch. albiceps</i>	1	AF083657	HII	Wells & Sperling	03-Jun-1999	USA
	2	NC019631	HI	Nelson <i>et al.</i>	19-Dec-2012	Australia
<i>Ch. bezziana</i>	1	JX187375	HI	Chong	28-Aug-2012	Malaysia
	2	JX187376	HI	Chong	28-Aug-2012	Malaysia
<i>Ch. megalcephala</i>	1	JX913739	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>Ch. putoria</i>	1	AF295554	HI	Wells & Sperling	26-Jun-2003	USA
<i>Ch. ruffiacies</i>	1	AF083658	HII	Wells & Sperling	03-Jun-1999	USA
	2	JN571567	HI	Rajagopal <i>et al.</i>	30-Aug-2011	Malaysia
	3	JX187378	HI	Chong	28-Aug-2012	Malaysia
	4	JX187379	HI	Chong	28-Aug-2012	Malaysia
	5	JX187380	HI	Chong	28-Aug-2012	Malaysia
	6	JX187381	HI	Chong	28-Aug-2012	Malaysia
	7	JX187382	HI	Chong	28-Aug-2012	Malaysia
	8	JX187383	HI	Chong	28-Aug-2012	Malaysia
<i>P. terraenovae</i>	1	AF295553	HI	Wells & Sperling	26-Jun-2001	USA (California)
	2	JX913743	HI	Nelson <i>et al.</i>	15-Nov-2012	France
<i>P. regina</i>	1	AF295550	HI	Wells & Sperling	26-Jun-2001	USA (California)
<i>C. vicina</i>	1	EU880188	HI	Park <i>et al.</i>	31-Jul-2009	Korea
	2	EU880189	HI	Park <i>et al.</i>	31-Jul-2009	Korea
	3	EU880190	HI	Park <i>et al.</i>	31-Jul-2009	Korea
	4	EU880191	HI	Park <i>et al.</i>	31-Jul-2009	Korea
	5	AJ417702	HIII	Stevens & Wall	15-Apr-2005	UK
	6	JX913760	HII	Nelson <i>et al.</i>	15-Nov-2012	France
	7	NC019639	HII	Nelson <i>et al.</i>	19-Dec-2012	Australia
<i>C. vomitoria</i>	1	FR719157	HI	McDonagh & Stevens	22-Nov-2011	USA (California)
	2	GQ223336	HII	Stamper <i>et al.</i>	09-Aug-2009	USA (Ohio)
<i>L. sericata</i>	1	JX913754	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia
	2	JX913757	HIII	Nelson <i>et al.</i>	15-Nov-2012	USA (Utah)
	3	JX913755	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
	4	JX913756	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
	5	EU880208	HI	Park <i>et al.</i>	31-Jul-2009	Korea
	6	EU880210	HII	Park <i>et al.</i>	31-Jul-2009	Korea
	7	AJ417712	HI	Stevens & Wall	15-Apr-2005	UK
	8	AJ417715	HI	Stevens <i>et al.</i>	15-Apr-2005	UK
	9	AJ417716	HII	Stevens <i>et al.</i>	15-Apr-2005	UK
<i>L. cuprina</i>	1	AJ417704	HI	Stevens <i>et al.</i>	15-Apr-2005	USA
	2	AJ417705	HI	Stevens <i>et al.</i>	15-Apr-2005	UK
	3	DQ453496	HI	Wells <i>et al.</i>	09-Mar-2009	USA
	4	JX187387	HI	Chong	28-Aug-2012	Malaysia
	5	JX187388	HI	Chong	28-Aug-2012	Malaysia
	6	JX187389	HI	Chong	28-Aug-2012	Malaysia
	7	JX187390	HI	Chong	28-Aug-2012	Malaysia
<i>L. ampullacea</i>	1	DQ453487	HI	Wells <i>et al.</i>	09-Mar-2009	UK
	2	EU925394	HII	Park <i>et al.</i>	31-Jul-2009	Korea
	3	JQ307766	HI	Godfrey & Smith	31-Dec-2012	UK

**Material suplementario / Supplementary material**

<i>L. porphyryna</i>	1	JX913758	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
	2	NC01963	HI	Nelson <i>et al.</i>	19-Dec-2012	Australia
<i>L. caesar</i>	1	EU880195	HIII	Park <i>et al.</i>	31-Jul-2009	Korea
	2	EU880196	HI	Park <i>et al.</i>	31-Jul-2009	Korea
	3	AJ417703	HII	Stevens & Wall	15-Apr-2005	UK
	4	DQ453488	HII	Wells <i>et al.</i>	09-Mar-2009	UK

**Table S8.** GenBank Cyt-b-tRNA<sup>ser</sup>-ND1 (495-496 bp) sequences included in the analysis. The table shows species, number of specimens (N), accession number (AN), haplotypes (H), authors, submission date (SD) and origin.

Species	N	AN	H	Authors	SD	Origin
<i>Ch. albiceps</i>	1	JX913736	HI	Nelson <i>et al.</i>	15-Nov-2012	Zambia
<i>Ch. albiceps</i>	2	NC019631	HI	Nelson <i>et al.</i>	19-Dec-2012	Australia
<i>Ch. bezziana</i>	1	NC019632	HI	Nelson <i>et al.</i>	19-Dec-2012	Australia
<i>Ch. bezziana</i>	2	JX913737	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>Ch. megacephala</i>	1	JX913738	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>Ch. megacephala</i>	2	AJ426041	HI	Stevens <i>et al.</i>	30-Aug-2007	India
<i>Ch. megacephala</i>	3	JX913739	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>Ch. megacephala</i>	4	NC019633	HI	Nelson <i>et al.</i>	11-Dec-2012	Australia
<i>Ch. putoria</i>	1	NC002697	HI	Junqueira <i>et al.</i>	11-Mar-2010	Brazil
<i>Ch. putoria</i>	2	AF352790	HI	Junqueira <i>et al.</i>	10-Feb-2010	Brazil
<i>Ch. ruffiacies</i>	1	JX913740	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>Ch. ruffiacies</i>	2	JX913741	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>Ch. ruffiacies</i>	3	NC019634	HI	Nelson <i>et al.</i>	11-Dec-2012	Australia
<i>P. terraenovae</i>	1	JX913743	HI	Nelson <i>et al.</i>	15-Nov-2012	France
<i>P. terraenovae</i>	2	NC019636	HI	Nelson <i>et al.</i>	19-Dec-2012	Australia
<i>P. terraenovae</i>	3	JX913743	HI	Nelson <i>et al.</i>	15-Nov-2012	France
<i>C. vicina</i>	1	JX913760	HI	Nelson <i>et al.</i>	15-Nov-2012	France
<i>C. vicina</i>	2	NC019639	HI	Nelson <i>et al.</i>	19-Dec-2012	Australia
<i>L. sericata</i>	1	NC009733	HI	Cibrario <i>et al.</i>	17-Aug-2007	UK
<i>L. sericata</i>	2	AJ422212	HI	Stevens <i>et al.</i>	30-Aug-2007	UK
<i>L. sericata</i>	3	JX913754	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>L. sericata</i>	4	JX913755	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>L. sericata</i>	5	JX913756	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>L. sericata</i>	6	JX913757	HIII	Nelson <i>et al.</i>	15-Nov-2012	USA (Utah)
<i>L. cuprina</i>	1	JX913744	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia (Melbourne)
<i>L. cuprina</i>	2	JX913745	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia (Melbourne)
<i>L. cuprina</i>	3	JX913746	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia (Melbourne)
<i>L. cuprina</i>	4	JX913747	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia (Melbourne)
<i>L. cuprina</i>	5	JX913748	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia (Melbourne)
<i>L. cuprina</i>	6	JX913749	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia (Brisbane)
<i>L. cuprina</i>	7	JX913750	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia (Brisbane)
<i>L. cuprina</i>	8	JX913751	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia (Brisbane)
<i>L. cuprina</i>	9	JX913752	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia (Brisbane)
<i>L. cuprina</i>	10	JX913753	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia (Brisbane)
<i>L. cuprina</i>	11	NC019573	HI	Nelson <i>et al.</i>	12-Dec-2012	Australia
<i>L. porphyryna</i>	1	JX913758	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>L. porphyryna</i>	2	NC019637	HI	Nelson <i>et al.</i>	19-Dec-2012	Australia

**Table S9.** GenBank ITS2 (310-337 bp) sequences included in the analysis. The table shows species, number of specimens (N), accession number (AN), haplotypes (H), authors, submission date (SD) and origin.

Species	N	AN	H	Authors	SD	Origin
<i>Ch. albiceps</i>	1	EF560172	HI	Marinho <i>et al.</i>	30-Apr-2008	Brazil
	2	EF560173	HI	Marinho <i>et al.</i>	30-Apr-2008	Uruguay
<i>Ch. bezziana</i>	1	EF560174	HI	Marinho <i>et al.</i>	30-Apr-2008	Malaysia
	2	FJ824825	HI	Jarret <i>et al.</i>	17-May-2008	Indonesia
<i>Ch. megacephala</i>	1	JQ811391	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	2	JQ811392	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	3	JQ811393	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	4	JQ811394	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	5	JQ811395	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	6	JQ811396	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	7	JQ811397	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	8	JQ811398	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	9	JQ811399	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	10	JQ811400	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand

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	11	JQ811401	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	12	JQ811402	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	13	JQ811403	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	14	JQ811404	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	15	JQ811405	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	16	JQ811406	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	17	JQ811407	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	18	JQ811408	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	19	JQ811409	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	20	JQ811410	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	21	JQ811411	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	22	JQ811412	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	23	JQ811413	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	24	JQ811414	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	25	JQ811415	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	26	JQ811416	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	27	JQ811417	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	28	JQ811418	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
<i>Ch. putoria</i>	1	EF560176	HI	Marinho <i>et al.</i>	30-Apr-2008	Brazil
	2	FJ830689	HII	Jarret <i>et al.</i>	17-Mar-2010	South Africa
	1	EF560177	HI	Marinho <i>et al.</i>	30-Apr-2008	Australia
	2	JQ811355	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	3	JQ811356	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	4	JQ811357	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	5	JQ811358	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	6	JQ811359	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	7	JQ811360	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	8	JQ811361	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	9	JQ811362	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	10	JQ811363	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	11	JQ811364	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
<i>P. terraenovae</i>	1	EF560193	HI	Marinho <i>et al.</i>	30-Apr-2008	France
<i>P. regina</i>	1	EF560190	HI	Marinho <i>et al.</i>	30-Apr-2008	USA
<i>C. vicina</i>	1	AF498022	HI	Pickles <i>et al.</i>	01-May-2003	UK
	2	AF498023	HI	Pickles <i>et al.</i>	01-May-2003	UK
	3	EF560178	HI	Marinho <i>et al.</i>	30-Apr-2008	France
<i>C. vomitoria</i>	1	AF498018	HI	Pickles <i>et al.</i>	01-May-2003	UK
	2	AF498019	HI	Pickles <i>et al.</i>	01-May-2003	UK
	3	EF560179	HII	Marinho <i>et al.</i>	30-Apr-2008	Belgium
<i>L. sericata</i>	1	EF560187	HI	Marinho <i>et al.</i>	30-Apr-2008	France
	2	FJ614858	HI	Zaidi & Chen	13-Jan-2010	China
	3	FJ614859	HI	Zaidi & Chen	13-Jan-2010	China
	4	FJ614860	HII	Zaidi & Chen	13-Jan-2010	China
	1	EF560185	HI	Marinho <i>et al.</i>	30-Apr-2008	Brazil
	2	JQ811303	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	3	JQ811304	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	4	JQ811305	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	5	JQ811306	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	6	JQ811307	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	7	JQ811308	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	8	JQ811309	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	9	JQ811310	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	10	JQ811311	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	11	JQ811312	HII	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	12	JQ811313	HII	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	13	JQ811314	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	14	JQ811315	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	15	JQ811316	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	16	JQ811317	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	17	JQ811318	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	18	JQ811319	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
<i>L. ampullacea</i>	1	JX295788	HI	Sonet <i>et al.</i>	11-Sep-2012	Belgium
	2	JX295789	HI	Sonet <i>et al.</i>	11-Sep-2012	Belgium
	3	AF498027	HI	Pickles <i>et al.</i>	01-May-2003	UK
	4	AF498028	HI	Pickles <i>et al.</i>	01-May-2003	UK
<i>L. porphyrina</i>	1	JQ811286	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	2	JQ811287	HI	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	3	JQ811292	HII	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
	4	JQ811293	HII	Bhakdeenuan <i>et al.</i>	25-Apr-2012	Thailand
<i>L. caesar</i>	1	JX295787	HI	Sonet <i>et al.</i>	11-Sep-2012	UK
	2	AF498032	HI	Pickles <i>et al.</i>	01-May-2003	UK

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	3	AF498031	HI	Pickles <i>et al.</i>	01-May-2003	UK
	4	JX295790	HI	Sonet <i>et al.</i>	11-Sep-2012	Poland
	5	JX295797	HII	Sonet <i>et al.</i>	11-Sep-2012	Germany
	6	JX295798	HII	Sonet <i>et al.</i>	11-Sep-2012	Germany

**Table S10.** GenBank Cyt-b (307 bp) sequences included in the analysis. The table shows species, number of specimens (N), accession number (AN), haplotypes (H), authors, submission date (SD) and origin.

Species	N	AN	H	Authors	SD	Origin
<i>Ch. albiceps</i>	1	JX913736	HIII	Nelson <i>et al.</i>	15-Nov-2012	Zambia
	2	JF706087	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	3	JF706088	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	4	JF706089	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	5	JF706090	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	6	JF706091	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	7	JF706092	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	8	JF706093	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	9	JF706094	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	10	JF706095	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	11	JF706096	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	12	JF706097	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	13	JF706098	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	14	JF706099	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	15	JF706100	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	16	JF706101	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	17	JF706102	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	18	JF706103	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	19	JF706104	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	20	JF706105	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	21	JF706106	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	22	JF706107	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	23	JF706108	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	24	JF706109	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	25	JF706110	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	26	JF706111	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	27	JF706112	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	28	JF706113	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	29	JF706114	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	30	JF706115	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	31	JF706116	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	32	JF706117	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	33	JF706118	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	34	JF706119	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	35	JF706120	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	36	JF706121	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	37	JF706122	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	38	JF706123	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	39	JF706124	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	40	JF706125	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	41	JF706126	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	42	JF706127	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	43	JF706128	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	44	JF706129	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	45	JF706130	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	46	JF706131	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	47	JF706132	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	48	JF706133	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	49	JF706134	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	50	JF706135	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	51	JF706136	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	52	JF706137	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	53	JF706138	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	54	JF706139	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	55	JF706140	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	56	JF706141	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	57	JF706142	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	58	JF706143	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	59	JF706144	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	60	JF706145	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal

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	61	JF706146	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	62	JF706147	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	63	JF706148	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	64	JF706149	HII	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	65	JF706150	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	66	JF706151	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
<i>Ch. bezziana</i>	1	NC019632	HI	Nelson <i>et al.</i>	19-Dec-2012	Australia
	2	JX913737	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
<i>Ch. megacephala</i>	1	JX913738	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
	2	JX913739	HII	Nelson <i>et al.</i>	15-Nov-2012	Australia
	3	NC019633	HI	Nelson <i>et al.</i>	11-Dec-2012	Australia
<i>Ch. putoria</i>	1	NC002697	HI	Junqueira <i>et al.</i>	11-Mar-2010	Brazil
	2	AF352790	HI	Junqueira <i>et al.</i>	10-Feb-2010	Brazil
<i>Ch. ruffilacies</i>	1	JX913740	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
	2	JX913741	HII	Nelson <i>et al.</i>	15-Nov-2012	Australia
	3	NC019634	HI	Nelson <i>et al.</i>	11-Dec-2012	Australia
<i>P. terraenovae</i>	1	JQ307806	HI	Godfrey & Smith	31-Dec-2012	UK
	2	JX913743	HII	Nelson <i>et al.</i>	15-Nov-2012	France
<i>C. vicina</i>	1	JX913760	HI	Nelson <i>et al.</i>	15-Nov-2012	France
	2	JF705985	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	3	JF705986	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	4	JF705987	HII	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	5	JF705988	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	6	JF705990	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	7	JF705991	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	8	JF705992	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	9	JF705993	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	10	JF705994	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	11	JF705995	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	12	JF705996	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	13	JF705997	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	14	JF705998	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	15	JF705999	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	16	JF706000	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	17	JF706001	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	18	JF706002	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	19	JF706003	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	20	JF706004	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	21	JF706006	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	22	JF706007	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	23	JF706011	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	24	JF706012	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	25	JF706013	HII	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	26	JF706014	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	27	JF706015	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	28	JF706016	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	29	JF706017	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	30	JF706024	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	31	JF706025	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	32	JF706026	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	33	JF706027	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	34	JF706028	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	35	JF706029	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	36	JF706030	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	37	JF706031	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	38	JF706032	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	39	JF706033	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	40	JF706034	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	41	JF706036	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	42	JF706041	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	43	JF706042	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	44	JF706044	HII	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	45	JF706045	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
<i>C. vomitoria</i>	1	JQ307812	HII	Godfrey & Smith	31-Dec-2012	UK
	2	JF706046	HII	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	3	JF706047	HII	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	4	JF706048	HII	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	5	JF706049	HII	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	6	JF706050	HII	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	7	JF706051	HII	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal
	8	JF706052	HI	GilAriortua <i>et al.</i>	28-Feb-2012	Portugal



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	9	JF706053	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	10	JF706054	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	11	JF706055	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	12	JF706056	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	13	JF706057	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	14	JF706058	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	15	JF706059	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	16	JF706060	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	17	JF706061	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	18	JF706062	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	19	JF706063	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	20	JF706064	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	21	JF706065	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	22	JF706066	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	23	JF706068	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	24	JF706069	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	25	JF706070	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	26	JF706071	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	27	JF706072	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	28	JF706073	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	29	JF706075	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	30	JF706076	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	31	JF706077	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	32	JF706078	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	33	JF706079	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	34	JF706080	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	35	JF706081	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	36	JF706082	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	37	JF706083	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	38	JF706084	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	39	JF706085	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	40	JF706086	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
<i>L. sericata</i>	1	JX913754	HIII	Nelson <i>et al.</i>	15-Nov-2012	Australia
	2	JX913755	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
	3	JX913756	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
	4	JX913757	HIII	Nelson <i>et al.</i>	15-Nov-2012	USA (Utah)
	5	AJ422212	HI	Stevens <i>et al.</i>	30-Aug-2007	UK
	6	NC009733	HI	Cibrario <i>et al.</i>	15-Aug-2007	UK
	7	JQ307810	HI	Godfrey & Smith	31-Dec-2012	UK
	8	JF706158	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	9	JF706159	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	10	JF706160	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	11	JF706161	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	12	JF706162	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	13	JF706163	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	14	JF706164	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	15	JF706165	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	16	JF706166	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	17	JF706167	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	18	JF706168	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	19	JF706169	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
<i>L. cuprina</i>	1	JX913744	HI	Nelson <i>et al.</i>	15-Nov-1012	Australia (Melbourne)
	2	JX913745	HI	Nelson <i>et al.</i>	15-Nov-1012	Australia (Melbourne)
	3	JX913746	HI	Nelson <i>et al.</i>	15-Nov-1012	Australia (Melbourne)
	4	JX913747	HI	Nelson <i>et al.</i>	15-Nov-1012	Australia (Melbourne)
	5	JX913748	HI	Nelson <i>et al.</i>	15-Nov-1012	Australia (Melbourne)
	6	JX913749	HI	Nelson <i>et al.</i>	15-Nov-1012	Australia (Brisbane)
	7	JX913750	HII	Nelson <i>et al.</i>	15-Nov-1012	Australia (Brisbane)
	8	JX913751	HII	Nelson <i>et al.</i>	15-Nov-1012	Australia (Brisbane)
	9	JX913753	HII	Nelson <i>et al.</i>	15-Nov-1012	Australia (Brisbane)
	10	NC019573	HI	Nelson <i>et al.</i>	12-Dec-2012	Australia
<i>L. ampullacea</i>	1	JQ307807	HII	Godfrey & Smith	31-Dec-2012	UK
	2	JF706152	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	3	JF706153	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	4	JF706154	HII	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	5	JF706155	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
	6	JF706156	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal
<i>L. porphyrina</i>	1	JX913758	HI	Nelson <i>et al.</i>	15-Nov-2012	Australia
	2	NC019637	HI	Nelson <i>et al.</i>	19-Dec-2012	Australia
<i>L. caesar</i>	1	JQ307808	HI	Godfrey & Smith	31-Dec-2012	UK
	2	JF706157	HI	GilArriortua <i>et al.</i>	28-Feb-2012	Portugal



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	201		210		220		230		240		250																																															
1	T	T	C	C	T	T	A	A	T	A	C	T	A	G	G	G	G	C	A	C	C	T	G	A	T	A	T	A	G	C	T	T	T	C	C	C	A	C	G	A	A	T	A	A	A	C	A	A	T									
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	251		260		270		280		290		300																																															
1	A	T	A	A	G	T	T	T	C	T	G	A	C	T	T	T	T	A	C	C	C	C	G	C	A	T	T	A	A	C	T	C	T	A	T	T	G	T	T	A	G	T	A	A	G	T	A	G										
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	301		310		320		330		340		350																																															
1	T	A	T	A	G	T	A	G	A	A	A	A	T	G	G	A	G	C	T	G	G	A	A	C	A	G	G	A	T	G	A	A	C	T	G	T	T	T	A	C	C	C	A	C	C	C	T	T	A	T								
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	351		360		370		380		390		400																																															
1	C	A	T	C	T	A	A	T	A	T	T	G	C	C	C	A	T	G	G	A	G	G	A	G	C	A	T	C	T	G	T	T	G	A	T	C	T	G	G	C	T	A	T	T	T	T	C	T	C	T								
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*Material suplementario / Supplementary material*

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	1201				1210				1220				1230				1240				1250																														
1	T	A	T	A	T	T	T	A	T	T	G	G	G	G	T	A	A	A	T	T	T	A	A	C	G	T	T	C	T	T	C	C	C	T	C	A	A	C	A	T	T	T	C	T	T	A	G	G	A	T	
2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	T	.	.	A	.	T	.	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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	1251				1260				1270															
1	T	A	G	C	T	G	G	A	A	T	A	C	C	T	C	G	G	C	G	A	T	A	C	T
2	.	G	.	A	.	.	.	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.
3	.	.	.	A	.	.	.	.	.	.	.	A	.	.	A	.	.	.	.	.	.	.	T	.
4	.	.	.	G	.	G	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	T	.
5	.	.	.	A	.	.	.	.	.	.	.	A	.	.	A	.	.	.	.	.	.	.	T	.
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*Material suplementario / Supplementary material*

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**Table S14.** The Cyt-b (307 bp) consensus sequences obtained for the *P. regina* studied species. Nucleotide notation follows IUB code. Sequence begins at the 3' end of the forward primer.

1	10	20	30	40	50																																												
C	T	T	T	G	G	A	T	C	A	T	T	A	T	T	A	T	T	T	T	A	T	G	T	T	A	A	T	A	A	T	T	C	A	A	A	T	C	T	T	A	A	C	C	G	G	A	T		
T	A	T	T	T	T	A	G	C	T	A	T	G	C	A	T	T	A	C	A	C	T	G	C	A	G	A	T	A	T	T	A	A	T	T	T	A	G	C	C	T	T	T	A	A	T	A	G	A	
G	T	A	A	A	T	C	A	T	A	T	T	T	G	C	C	G	A	G	A	T	G	T	A	A	A	T	T	A	T	G	G	A	T	G	A	T	T	A	T	T	A	C	G	A	A	C	T	A	T
A	C	A	T	G	C	T	A	A	T	G	G	T	G	C	A	T	C	A	T	T	C	T	T	T	T	T	A	T	T	T	G	T	A	T	T	T	A	T	T	T	A	C	A	T	G	T	A	G	
G	A	C	G	A	G	G	A	A	T	C	T	A	T	T	A	T	G	G	A	T	C	A	T	A	T	T	T	A	T	T	C	A	C	T	C	C	A	A	C	T	T	G	A	A	T	A	G	T	A
G	G	G	A	T	A	A	T	T	A	T	T	T	A	T	T	T	T	A	G	T	A	A	T	A	G	G	A	A	C	A	G	C	C	T	T	T	A	T	A	G	G	A	T	A	T	G	T		
A	T	T	G	C	C	T																																											

*Material suplementario / Supplementary material*

**Table S15.** Pairwise sequence divergence between the studied Calliphoridae (*P. regina*\*, *C. vicina*\*, *L. sericata*\*, *L. ampullacea*\* and *L. caesar*\*) consensus sequences for the COI (1274 bp). GenBank database sequences for the same and other Calliphoridae species were included for comparison purposes. Nucleotide divergence in percentage (%) is shown above diagonal and absolute nucleotide differences below diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
1 <i>Ch. albiceps</i> <sup>a</sup>	—	0.2	7.4	6.1	6.6	3.2	3.5	7.5	7.8	8.5	10.0	10.0	10.0	10.0	9.7	10.2	9.7	9.6	9.7	9.7	9.7	10.1	10.2	10.1	9.8	9.6	9.3	9.1	8.9	
2 <i>Ch. albiceps</i> <sup>b</sup>	2	—	7.2	6.0	6.6	3.1	3.4	7.5	7.8	8.5	9.8	9.8	9.8	9.8	9.7	10.2	9.7	9.6	9.7	9.7	9.7	10.1	10.2	10.1	9.7	9.4	9.1	9.1	8.9	
3 <i>Ch. bezziana</i> <sup>a</sup>	94	92	—	4.9	5.6	8.1	8.6	7.1	7.7	9.3	9.7	9.7	9.7	9.7	8.9	9.6	9.4	9.5	9.4	9.4	9.3	10.8	10.8	10.8	10.7	9.2	9.1	9.1	9.1	
4 <i>Ch. megacephala</i> <sup>a</sup>	78	76	63	—	4.6	7.0	7.5	6.9	7.4	8.0	9.7	9.7	9.8	9.7	9.0	9.7	8.8	8.7	8.9	8.8	8.8	9.9	9.9	9.9	9.7	8.6	8.5	8.5	8.5	
5 <i>Ch. putoria</i> <sup>a</sup>	84	84	71	58	—	7.1	7.6	7.4	7.3	8.2	9.0	8.8	8.9	8.9	8.2	8.7	8.9	9.0	9.0	8.9	8.8	9.7	9.6	9.7	10.1	8.6	8.2	8.4	8.2	
6 <i>Ch. rufifacies</i> <sup>a</sup>	41	39	103	89	91	—	0.8	7.8	8.7	9.0	10.5	10.2	10.4	10.4	10.4	10.4	10.0	10.0	10.1	10.0	10.1	10.4	10.4	10.4	10.0	9.6	9.7	9.4	9.3	
7 <i>Ch. rufifacies</i> <sup>b</sup>	45	43	109	95	97	10	—	7.9	8.9	8.9	10.8	10.5	10.7	10.7	10.5	10.7	10.4	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.2	9.9	10.2	9.7	9.6	
8 <i>P. terraenovae</i> <sup>a</sup>	96	96	91	88	94	100	101	—	6.4	7.1	10.1	10.0	10.0	10.0	10.4	10.4	8.7	8.6	8.8	8.7	8.6	9.7	9.7	9.7	10.2	9.3	8.6	8.8	8.6	
9 <i>P. regina</i> <sup>a</sup>	100	100	98	94	93	111	114	82	—	3.8	9.4	9.3	9.3	9.3	9.4	8.9	8.8	8.9	8.9	8.8	8.6	9.8	9.9	9.8	10.4	9.7	9.2	9.3	9.2	
10 <i>P. regina</i> <sup>b</sup>	108	108	118	102	104	115	114	90	48	—	9.8	9.7	9.7	9.7	9.5	9.2	9.1	9.0	9.2	9.1	8.9	9.5	9.6	9.5	9.7	9.5	9.0	9.1	8.9	
11 <i>C. vicina</i> <sup>a</sup>	127	125	124	123	115	134	138	129	120	125	—	0.4	0.4	0.2	4.6	4.5	7.8	7.8	7.8	7.8	7.8	8.6	8.6	8.6	8.6	9.4	7.8	7.7	7.9	7.8
12 <i>C. vicina</i> <sup>b</sup>	127	125	123	123	112	130	134	128	119	124	5	—	0.3	0.2	4.6	4.6	7.8	7.8	7.8	7.8	7.8	8.6	8.6	8.6	8.6	9.5	7.9	7.8	7.7	7.5
13 <i>C. vicina</i> <sup>c</sup>	127	125	123	125	114	132	136	128	119	124	5	4	—	0.2	4.7	4.7	7.8	7.8	7.8	7.8	7.8	8.5	8.5	8.5	8.5	9.3	8.1	7.6	7.8	7.7
14 <i>C. vicina</i> <sup>d</sup>	127	125	123	123	114	132	136	128	119	124	3	2	2	—	4.6	4.6	7.8	7.8	7.8	7.8	7.8	8.5	8.5	8.5	8.5	9.3	8.1	7.6	7.8	7.7
15 <i>C. vomitoria</i> <sup>a</sup>	123	123	114	115	105	132	134	132	120	121	59	58	60	58	—	3.5	7.1	7.2	7.2	7.1	7.2	8.2	8.3	8.2	8.9	7.5	6.9	7.1	7.0	
16 <i>C. vomitoria</i> <sup>b</sup>	130	130	122	124	111	132	136	133	113	117	57	58	60	58	44	—	7.3	7.4	7.4	7.3	7.4	8.1	8.1	8.1	8.6	7.5	7.4	7.2	7.1	
17 <i>L. sericata</i> <sup>a</sup>	123	123	120	112	114	128	132	111	112	116	99	99	99	99	91	93	—	0.1	0.1	0.0	0.7	6.4	6.4	6.4	7.5	5.8	5.8	5.6	5.4	
18 <i>L. sericata</i> <sup>b</sup>	122	122	121	111	115	127	131	110	113	115	100	100	100	100	92	94	1	—	0.2	0.1	0.8	6.4	6.4	6.4	7.5	5.9	5.7	5.5	5.3	
19 <i>L. sericata</i> <sup>c</sup>	124	124	120	113	115	129	133	112	113	117	100	100	100	100	92	94	1	2	—	0.1	0.8	6.4	6.4	6.4	7.6	5.9	5.9	5.7	5.5	
20 <i>L. sericata</i> <sup>d</sup>	123	123	120	112	114	128	132	111	112	116	99	99	99	99	91	93	0	1	1	—	0.7	6.4	6.4	6.4	7.5	5.8	5.8	5.6	5.4	
21 <i>L. cuprina</i> <sup>a</sup>	123	123	118	112	112	129	133	110	110	114	100	100	100	100	92	94	9	10	10	9	—	6.4	6.4	6.4	7.5	5.9	5.9	5.5	5.3	
22 <i>L. ampullacea</i> <sup>a</sup>	129	129	138	126	124	132	132	123	125	121	109	109	108	108	104	103	81	82	82	81	82	—	0.3	0.0	5.7	5.0	5.0	4.8	4.6	
23 <i>L. ampullacea</i> <sup>b</sup>	130	130	138	126	122	133	133	124	126	122	109	109	108	108	106	103	81	82	82	81	82	4	—	0.3	5.8	5.0	5.0	4.8	4.6	
24 <i>L. ampullacea</i> <sup>c</sup>	129	129	138	126	124	132	132	123	125	121	109	109	108	108	104	103	81	82	82	81	82	0	4	—	5.7	5.0	5.0	4.8	4.6	
25 <i>L. porphyrina</i> <sup>a</sup>	125	123	136	123	129	128	130	130	132	124	120	121	119	119	114	109	96	95	97	96	95	73	74	73	—	6.3	6.3	5.7	5.7	
26 <i>L. caesar</i> <sup>a</sup>	122	120	117	110	109	122	126	119	124	121	100	101	103	103	96	95	74	75	75	74	75	64	64	64	80	—	2.0	0.9	1.0	
27 <i>L. caesar</i> <sup>b</sup>	118	116	116	108	105	124	130	110	117	115	98	99	97	97	88	94	74	73	75	74	75	64	64	64	80	25	—	1.9	1.7	
28 <i>L. caesar</i> <sup>c</sup>	116	116	116	108	107	120	124	112	119	116	101	98	100	100	91	92	71	70	72	71	70	61	61	61	73	11	24	—	0.2	
29 <i>L. caesar</i> <sup>d</sup>	114	114	116	108	105	118	122	110	117	114	99	96	98	98	89	90	69	68	70	69	68	59	59	59	73	13	22	2	—	

<sup>a</sup> GenBank species haplotypes I; <sup>b</sup> GenBank species haplotypes II; <sup>c</sup> GenBank species haplotypes III.

**Material suplementario / Supplementary material**

**Table S16.** Pairwise sequence divergence between the studied Calliphoridae (*P. regina*<sup>a</sup>, *C. vicina*<sup>a</sup>, *L. sericata*<sup>a</sup>, *L. ampullacea*<sup>a</sup> and *L. caesar*<sup>a</sup>) consensus sequences for the Cyt-b-tRNA<sup>ser</sup>-ND1 (495-496 bp). GenBank database sequences for the same and other Calliphoridae species were included for comparison purposes. Nucleotide divergence in percentage (%) is shown above diagonal and absolute nucleotide differences below diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 <i>Ch. albiceps</i> <sup>a</sup>	—	5.6	6.7	6.3	6.9	2.6	2.4	8.1	7.7	6.5	6.5	7.7	7.9	7.7	7.7	8.3	7.9	7.9	8.3	5.8
2 <i>Ch. bezziana</i> <sup>a</sup>	28	—	3.6	3.6	6.5	5.6	5.4	8.7	9.1	8.1	8.1	8.3	8.5	8.3	8.3	8.3	8.5	7.7	8.3	6.9
3 <i>Ch. megacephala</i> <sup>a</sup>	33	18	—	1.2	5.8	6.7	6.5	9.3	8.7	8.3	8.3	7.1	7.3	7.5	7.1	8.1	7.3	7.7	7.3	6.5
4 <i>Ch. megacephala</i> <sup>b</sup>	31	18	6	—	6.0	6.3	6.0	9.3	8.3	8.1	8.1	7.3	7.5	7.3	7.3	7.5	7.5	7.5	7.1	6.5
5 <i>Ch. putoria</i> <sup>a</sup>	34	32	29	30	—	6.9	7.1	7.9	8.3	6.5	6.5	6.9	7.1	7.3	6.9	8.1	6.7	7.1	7.3	4.4
6 <i>Ch. rufifacies</i> <sup>a</sup>	13	28	33	31	34	—	0.6	8.1	7.3	7.1	7.1	7.7	7.9	7.7	7.7	7.5	7.5	6.7	7.7	5.6
7 <i>Ch. rufifacies</i> <sup>b</sup>	12	27	32	30	35	3	—	8.3	7.5	6.9	6.9	7.5	7.7	7.5	7.5	7.3	7.7	6.9	7.9	5.8
8 <i>P. terraenovae</i> <sup>a</sup>	40	43	46	46	39	40	41	—	6.5	8.3	8.3	8.7	8.9	8.7	8.7	8.9	8.5	7.7	9.1	8.1
9 <i>P. regina</i> <sup>a</sup>	38	45	43	41	41	36	37	32	—	6.7	6.7	8.3	8.5	7.9	8.3	7.3	8.1	7.1	6.7	6.3
10 <i>C. vicina</i> <sup>a</sup>	32	40	41	40	32	35	34	41	33	—	0.0	6.9	7.1	6.9	6.9	6.7	7.1	6.3	5.8	4.2
11 <i>C. vicina</i> <sup>b</sup>	32	40	41	40	32	35	34	41	33	0	—	6.9	7.1	6.9	6.9	6.7	7.1	6.3	5.8	4.2
12 <i>L. sericata</i> <sup>a</sup>	38	41	35	36	34	38	37	43	41	34	34	—	0.2	0.4	0.0	2.0	0.2	5.2	5.2	4.0
13 <i>L. sericata</i> <sup>b</sup>	39	42	36	37	35	39	38	44	42	35	35	1	—	0.6	0.2	2.2	0.4	5.4	5.4	4.2
14 <i>L. sericata</i> <sup>c</sup>	38	41	37	36	36	38	37	43	39	34	34	2	3	—	0.4	2.0	0.6	5.6	5.2	4.4
15 <i>L. sericata</i> <sup>d</sup>	38	41	35	36	34	38	37	43	41	34	34	0	1	2	—	2.0	0.2	5.2	5.2	4.0
16 <i>L. cuprina</i> <sup>a</sup>	41	41	40	37	40	37	36	44	36	33	33	10	11	10	10	—	2.2	4.6	4.8	4.8
17 <i>L. cuprina</i> <sup>b</sup>	39	42	36	37	33	37	38	42	40	35	35	1	2	3	1	11	—	5.0	5.0	3.8
18 <i>L. ampullacea</i> <sup>a</sup>	39	38	38	37	35	33	34	38	35	31	31	26	27	28	26	23	25	—	4.6	4.0
19 <i>L. porphyrina</i> <sup>a</sup>	41	41	36	35	36	38	39	45	33	29	29	26	27	26	26	24	25	23	—	4.0
20 <i>L. caesar</i> <sup>a</sup>	29	34	32	32	22	28	29	40	31	21	21	20	21	22	20	24	19	20	20	

<sup>a</sup> GenBank species haplotypes I; <sup>b</sup> GenBank species haplotypes II; <sup>c</sup> GenBank species haplotypes III.



**Table S17.** Pairwise sequence divergence between the studied Calliphoridae (*P. regina*\*) consensus sequence for the Cyt-b (307 bp). GenBank database sequences for the same and other Calliphoridae species were included for comparison purposes. Nucleotide divergence in percentage (%) is shown above diagonal and absolute nucleotide differences below diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1 <i>Ch. albiceps</i> <sup>a</sup>	—	0.3	0.7	8.5	9.4	8.8	7.5	5.9	6.2	9.1	9.4	10.7	9.1	9.4	10.1	9.8	7.8	7.8	8.1	8.8	8.8	10.1	9.8	9.4	8.8
2 <i>Ch. albiceps</i> <sup>b</sup>	1	—	0.3	8.8	9.8	9.1	7.8	5.5	5.9	9.4	9.8	10.7	9.4	9.8	10.4	10.1	8.1	8.1	8.5	9.1	9.1	10.4	10.1	9.8	9.1
3 <i>Ch. albiceps</i> <sup>c</sup>	2	1	—	8.5	10.1	9.4	8.1	5.2	5.5	9.1	9.4	10.4	9.1	9.4	10.1	10.4	8.5	8.5	8.8	9.4	9.4	10.1	9.8	9.4	8.8
4 <i>Ch. bezziana</i> <sup>a</sup>	26	27	26	—	6.8	6.2	7.5	7.8	8.1	7.8	8.1	8.5	6.8	7.2	7.2	7.5	8.5	8.5	8.8	9.4	9.4	8.1	7.8	9.4	6.8
5 <i>Ch. megacephala</i> <sup>a</sup>	29	30	31	21	—	0.7	6.5	9.4	9.8	8.5	8.8	8.8	8.1	7.8	7.5	7.2	8.5	8.5	8.1	7.8	9.4	8.1	7.8	9.8	7.2
6 <i>Ch. megacephala</i> <sup>b</sup>	27	28	29	19	2	—	5.9	8.8	9.1	7.8	8.1	8.1	7.5	7.2	6.8	6.5	7.8	7.8	8.1	7.2	8.8	7.5	7.2	9.1	6.5
7 <i>Ch. putoria</i> <sup>a</sup>	23	24	25	23	20	18	—	7.5	7.8	8.1	8.5	8.8	7.2	7.5	8.8	8.5	7.8	7.8	8.1	7.2	7.8	10.1	9.8	11.7	8.8
8 <i>Ch. rufifacies</i> <sup>a</sup>	18	17	16	24	29	27	23	—	0.3	9.8	10.1	9.8	8.8	9.1	8.5	8.8	8.8	8.8	9.1	9.4	9.8	8.1	7.8	10.7	7.8
9 <i>Ch. rufifacies</i> <sup>b</sup>	19	18	17	25	30	28	24	1	—	10.1	10.4	10.1	9.1	9.4	8.8	9.1	9.1	9.1	9.4	9.8	10.1	8.5	8.1	11.1	8.1
10 <i>P. terraenovae</i> <sup>a</sup>	28	29	28	24	26	24	25	30	31	—	0.3	8.5	9.4	9.8	10.1	10.4	9.1	9.1	9.4	9.1	9.8	9.8	9.4	8.8	8.5
11 <i>P. terraenovae</i> <sup>b</sup>	29	30	29	25	27	25	26	31	32	1	—	8.8	9.8	10.1	10.4	10.7	9.4	9.4	9.8	9.4	10.1	10.1	9.8	9.1	8.8
12 <i>P. regina</i> <sup>a</sup>	33	33	32	26	27	25	27	30	31	26	27	—	10.1	10.4	10.4	10.7	8.8	8.8	9.1	9.8	9.4	9.8	9.4	11.4	8.5
13 <i>C. vicina</i> <sup>a</sup>	28	29	28	21	25	23	22	27	28	29	30	31	—	0.3	3.3	3.6	7.8	8.1	8.1	8.5	8.8	8.8	8.5	10.4	6.8
14 <i>C. vicina</i> <sup>b</sup>	29	30	29	22	24	22	23	28	29	30	31	32	1	—	3.6	3.9	8.1	8.5	8.5	8.1	9.1	9.1	8.8	10.7	7.2
15 <i>C. vomitoria</i> <sup>a</sup>	31	32	31	22	23	21	27	26	27	31	32	32	10	11	—	0.3	8.1	8.5	8.5	10.1	9.1	8.1	7.8	9.4	5.5
16 <i>C. vomitoria</i> <sup>b</sup>	30	31	32	23	22	20	26	27	28	32	33	33	11	12	1	—	7.8	8.1	8.1	9.8	8.8	8.5	8.1	9.8	5.9
17 <i>L. sericata</i> <sup>a</sup>	24	25	26	26	26	24	24	27	28	28	29	27	24	25	25	24	—	0.3	0.3	3.6	1.0	7.5	7.2	8.8	5.5
18 <i>L. sericata</i> <sup>b</sup>	24	25	26	26	26	24	24	27	28	28	29	27	25	26	26	25	1	—	0.7	3.6	1.3	7.8	7.5	9.1	5.9
19 <i>L. sericata</i> <sup>c</sup>	25	26	27	27	25	25	25	28	29	29	30	28	25	26	26	25	1	2	—	3.9	1.3	7.8	7.5	9.1	5.9
20 <i>L. cuprina</i> <sup>a</sup>	27	28	29	29	24	22	22	29	30	28	29	30	26	25	31	30	11	11	12	—	4.2	8.1	7.8	9.8	7.5
21 <i>L. cuprina</i> <sup>b</sup>	27	28	29	29	29	27	24	30	31	30	31	29	27	28	28	27	3	4	4	13	—	8.1	7.8	9.1	6.5
22 <i>L. ampullacea</i> <sup>a</sup>	31	32	31	25	25	23	31	25	26	30	31	30	27	28	25	26	23	24	24	25	25	—	0.3	6.5	4.6
23 <i>L. ampullacea</i> <sup>b</sup>	30	31	30	24	24	22	30	24	25	29	30	29	26	27	24	25	22	23	23	24	24	1	—	6.2	4.2
24 <i>L. porphyrina</i> <sup>a</sup>	29	30	29	29	30	28	36	33	34	27	28	35	32	33	29	30	27	28	28	30	28	20	19	—	6.5
25 <i>L. caesa</i> <sup>a</sup>	27	28	27	21	22	20	27	24	25	26	27	26	21	22	17	18	17	18	18	23	20	14	13	20	—

<sup>a</sup> GenBank species haplotypes I; <sup>b</sup> GenBank species haplotypes II; <sup>c</sup> GenBank species haplotypes III.



Aportación / Contribution I.III

**Table S18.** Studied Calliphoridae sequences for the COI barcode (658 bp) and Cyt-b (307 bp) molecular markers. The table shows species, number of specimens (N), accession number (AN), haplotypes (H), submission date (SD), case, origin and locality.

Species	N	COI barcode			Cyt-b			Case	Origin	Locality
		AN	H	SD	AN	H	SD			
<i>Ch. albiceps</i>	1	KC775968	HI	12-MAR-2013	JF706087	HI	17-MAR-2011	642.05	Portugal	Porto <sup>a</sup>
	2	KC775969	HI	12-MAR-2013	JF706088	HI	17-MAR-2011	642.05	Portugal	Porto <sup>a</sup>
	3	KC775970	HI	12-MAR-2013	JF706090	HI	17-MAR-2011	617.05	Portugal	Porto <sup>b</sup>
	4	KC775971	HI	12-MAR-2013	JF706091	HI	17-MAR-2011	617.05	Portugal	Porto <sup>b</sup>
	5	KC775972	HI	12-MAR-2013	JF706092	HI	17-MAR-2011	617.05	Portugal	Porto <sup>b</sup>
	6	KC775973	HI	12-MAR-2013	JF706095	HI	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	7	KC775974	HI	12-MAR-2013	JF706096	HI	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	8	KC775975	HI	12-MAR-2013	JF706097	HI	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	9	KC775976	HI	12-MAR-2013	JF706098	HI	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	10	KC775977	HI	12-MAR-2013	JF706099	HI	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	11	KC775978	HI	12-MAR-2013	JF706100	HI	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	12	KC775979	HI	12-MAR-2013	JF706101	HI	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	13	KC775980	HI	12-MAR-2013	JF706102	HI	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	14	KC775981	HI	12-MAR-2013	JF706103	HI	17-MAR-2011	529.05	Portugal	Porto <sup>b</sup>
	15	KC775982	HI	12-MAR-2013	JF706104	HI	17-MAR-2011	529.05	Portugal	Porto <sup>b</sup>
	16	KC775983	HI	12-MAR-2013	JF706105	HI	17-MAR-2011	529.05	Portugal	Porto <sup>b</sup>
	17	KC775984	HIV	12-MAR-2013	JF706106	HI	17-MAR-2011	529.05	Portugal	Porto <sup>b</sup>
	18	KC775985	HV	12-MAR-2013	JF706107	HI	17-MAR-2011	529.05	Portugal	Porto <sup>b</sup>
	19	KC775986	HI	12-MAR-2013	JF706108	HI	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	20	KC775987	HI	12-MAR-2013	JF706110	HI	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	21	KC775988	HI	12-MAR-2013	JF706111	HI	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	22	KC775989	HI	12-MAR-2013	JF706112	HI	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	23	KC775990	HI	12-MAR-2013	JF706113	HI	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	24	KC775991	HI	12-MAR-2013	JF706114	HI	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	25	KC775992	HI	12-MAR-2013	JF706115	HI	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	26	KC775993	HI	12-MAR-2013	JF706116	HI	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	27	KC775994	HI	12-MAR-2013	JF706117	HI	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	28	KC775995	HI	12-MAR-2013	JF706118	HI	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	29	KC775996	HI	12-MAR-2013	JF706119	HI	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	30	KC775997	HI	12-MAR-2013	JF706120	HI	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	31	KC775998	HI	12-MAR-2013	JF706121	HI	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	32	KC775999	HI	12-MAR-2013	JF706122	HI	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	33	KC776000	HI	12-MAR-2013	JF706123	HI	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	34	KC776001	HI	12-MAR-2013	JF706124	HI	17-MAR-2011	660.04	Portugal	Porto <sup>c</sup>
	35	KC776002	HI	12-MAR-2013	JF706125	HI	17-MAR-2011	492.04	Portugal	Porto <sup>a</sup>
	36	KC776003	HI	12-MAR-2013	JF706126	HI	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	37	KC776004	HI	12-MAR-2013	JF706127	HI	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	38	KC776005	HI	12-MAR-2013	JF706128	HI	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	39	KC776006	HI	12-MAR-2013	JF706129	HI	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	40	KC776007	HI	12-MAR-2013	JF706130	HI	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	41	KC776008	HI	12-MAR-2013	JF706131	HI	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	42	KC776009	HI	12-MAR-2013	JF706132	HI	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	43	KC776010	HI	12-MAR-2013	JF706133	HI	17-MAR-2011	266.03	Portugal	Coimbra <sup>a</sup>
	44	KC776011	HI	12-MAR-2013	JF706134	HI	17-MAR-2011	642.05	Portugal	Porto <sup>a</sup>
	45	KC776012	HI	12-MAR-2013	JF706135	HI	17-MAR-2011	642.05	Portugal	Porto <sup>a</sup>
	46	KC776013	HI	12-MAR-2013	JF706137	HI	17-MAR-2011	576.05	Portugal	Porto <sup>a</sup>
	47	KC776014	HI	12-MAR-2013	JF706139	HI	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	48	KC776015	HI	12-MAR-2013	JF706140	HI	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	49	KC776016	HI	12-MAR-2013	JF706141	HI	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	50	KC776017	HI	12-MAR-2013	JF706142	HI	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	51	KC776018	HI	12-MAR-2013	JF706143	HI	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	52	KC776019	HI	12-MAR-2013	JF706144	HI	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>
	53	KC776020	HI	12-MAR-2013	JF706145	HI	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>
	54	KC776021	HI	12-MAR-2013	JF706146	HI	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>
	55	KC776022	HI	12-MAR-2013	JF706147	HI	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>
	56	KC776023	HI	12-MAR-2013	JF706148	HI	17-MAR-2011	Lei.03	Portugal	Leiria <sup>d</sup>
	57	KC776024	HI	12-MAR-2013	JF706149	HI	17-MAR-2011	Lei.03	Portugal	Leiria <sup>d</sup>
	58	KC776025	HI	12-MAR-2013	JF706150	HI	17-MAR-2011	503.07	Portugal	Porto <sup>b</sup>
	59	KC776026	HI	12-MAR-2013	JF706151	HI	17-MAR-2011	321.07	Portugal	Porto <sup>a</sup>
<i>C. vicina</i>	1	KC775849	HXIV	12-MAR-2013	JF705985	HI	17-MAR-2011	224.07	Portugal	Porto <sup>a</sup>
	2	KC775850	HI	12-MAR-2013	JF705986	HI	17-MAR-2011	224.07	Portugal	Porto <sup>a</sup>





**Material suplementario / Supplementary material**

	6	KC776038	HI	12-MAR-2013	KC775838	HI	12-MAR-2013	812.04	Portugal	Porto <sup>b</sup>
	7	KC776039	HI	12-MAR-2013	KC775839	HI	12-MAR-2013	812.04	Portugal	Porto <sup>b</sup>
	8	KC776040	HV	12-MAR-2013	KC775840	HI	12-MAR-2013	812.04	Portugal	Porto <sup>b</sup>
	9	KC776041	HI	12-MAR-2013	KC775841	HI	12-MAR-2013	812.04	Portugal	Porto <sup>b</sup>
<i>L. illustris</i>	1	KC776034	HI	12-MAR-2013	KC775834	HI	12-MAR-2013	529.05	Portugal	Porto <sup>b</sup>
	2	KC776037	HI	12-MAR-2013	KC775837	HI	12-MAR-2013	812.04	Portugal	Porto <sup>b</sup>

<sup>a</sup>House; <sup>b</sup>Field; <sup>c</sup>Public thoroughfare; <sup>d</sup>Unspecified.

**Table S19.** Studied Calliphoridae sequences for the ITS2 (310-331 bp) molecular marker. The table shows species, number of specimens (N), accession number (AN), variants (Vt), submission date (SD), case, origin and locality.

Species	N	AN	Vt	SD	Case	Origin	Locality
<i>L. sericata</i>	1	KC794653	VtIII	15-MAR-2013	638.05	Portugal	Porto <sup>a</sup>
	2	KC794654	VtI/VtII	15-MAR-2013	638.05	Portugal	Porto <sup>a</sup>
	3	KC794655	VtII	15-MAR-2013	638.05	Portugal	Porto <sup>a</sup>
	4	KC794656	VtI/VtII	15-MAR-2013	801.05	Portugal	Porto <sup>c</sup>
	5	KC794657	VtI	15-MAR-2013	801.05	Portugal	Porto <sup>c</sup>
	6	KC794658	VtI	15-MAR-2013	801.05	Portugal	Porto <sup>c</sup>
	7	KC794659	VtII	15-MAR-2013	604.05	Portugal	Porto <sup>a</sup>
	8	KC794660	VtI	15-MAR-2013	604.05	Portugal	Porto <sup>a</sup>
	9	KC794661	VtI	15-MAR-2013	604.05	Portugal	Porto <sup>a</sup>
	10	KC794662	VtI	15-MAR-2013	576.05	Portugal	Porto <sup>a</sup>
	11	KC794663	VtI	15-MAR-2013	529.05	Portugal	Porto <sup>b</sup>
	12	KC794664	VtI	15-MAR-2013	434.05	Portugal	Porto <sup>a</sup>
	13	KC794665	VtI	15-MAR-2013	434.05	Portugal	Porto <sup>a</sup>
	14	KC794666	VtII	15-MAR-2013	384.05	Portugal	Porto <sup>a</sup>
	15	KC794667	VtI	15-MAR-2013	384.05	Portugal	Porto <sup>a</sup>
	16	KC794668	VtII	15-MAR-2013	384.05	Portugal	Porto <sup>a</sup>
	17	KC794669	VtI/VtII	15-MAR-2013	384.05	Portugal	Porto <sup>a</sup>
	18	KC794670	VtI	15-MAR-2013	384.05	Portugal	Porto <sup>a</sup>
	19	KC794671	VtI	15-MAR-2013	384.05	Portugal	Porto <sup>a</sup>
<i>L. ampullacea</i>	1	KC794672	VtI	15-MAR-2013	598.05	Portugal	Porto <sup>a</sup>
	2	KC794673	VtI	15-MAR-2013	598.05	Portugal	Porto <sup>a</sup>
	3	KC794674	VtI	15-MAR-2013	598.05	Portugal	Porto <sup>a</sup>
	4	KC794675	VtI	15-MAR-2013	598.05	Portugal	Porto <sup>a</sup>
<i>L. caesar</i>	1	KC794676	VtI	15-MAR-2013	598.05	Portugal	Porto <sup>a</sup>
	2	KC794677	VtI	15-MAR-2013	598.05	Portugal	Porto <sup>a</sup>
	3	KC794678	VtI	15-MAR-2013	Brq.05	Portugal	Porto <sup>b</sup>
	4	KC794679	VtI	15-MAR-2013	812.04	Portugal	Porto <sup>b</sup>
	5	KC794680	VtI	15-MAR-2013	812.04	Portugal	Porto <sup>b</sup>
	6	KC794681	VtI	15-MAR-2013	812.04	Portugal	Porto <sup>b</sup>
	7	KC794682	VtI	15-MAR-2013	812.04	Portugal	Porto <sup>b</sup>
	8	KC794683	VtI	15-MAR-2013	812.04	Portugal	Porto <sup>b</sup>
	9	KC794684	VtI	15-MAR-2013	812.04	Portugal	Porto <sup>b</sup>
<i>L. illustris</i>	1	KC794686	VtI	15-MAR-2013	529.05	Portugal	Porto <sup>b</sup>
	2	KC794685	VtI	15-MAR-2013	812.04	Portugal	Porto <sup>b</sup>

<sup>a</sup>House; <sup>b</sup>Field; <sup>c</sup>Unspecified

*Material suplementario / Supplementary material*

**Table S20.** Alignment of COI barcode (658 bp) consensus sequences obtained for the studied species: *Ch. albiceps* (1), *C. vicina* (2), *C. vomitoria* (3), *L. sericata* (4), *L. ampullacea* (5), *L. caesar* (6) and *L. illustris* (7). The base differences between species are indicated (5'→3'). Identity is indicated with a full stop (•), changes with an asterisk (\*) and nucleotide notation follow IUB code. Sequences begin at the 3' end of the forward primer.

	1		10		20		30		40		50																																															
1	T	A	C	T	T	A	T	A	T	T	T	C	A	T	T	T	T	C	G	G	A	G	C	T	T	G	A	T	C	T	G	G	A	A	T	A	G	T	A	G	G	A	A	C	T	T	C	T	T									
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5	•	•	•	•	•	•	•	•	•	C	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	A	•			
6	•	•	•	•	•	•	•	•	•	C	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	A	•			
7	•	•	•	•	•	•	•	•	•	C	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	A	•			
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2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	•			
3	•	•	•	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	•	
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3	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	•	
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5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	•	
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2	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	•		
3	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	•		
4	•	•	•	T	•	•	•	•	•	•	•	•	•	•	G	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	•			
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*Material suplementario / Supplementary material*

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1	A	T	A	A	G	T	T	T	C	T	G	A	C	T	T	T	A	C	C	T	C	C	T	G	C	A	T	T	A	A	C	T	T	T	A	C	T	A	T	T	A	G	T	A	A	G	T	A	G			
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	351		360		370		380		390		400																																									
1	C	A	T	C	T	A	A	T	A	T	G	C	T	C	A	T	G	G	T	G	G	A	G	C	A	T	C	A	G	T	T	G	A	T	T	T	A	G	C	T	A	T	T	T	T	T	C	T				
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*Material suplementario / Supplementary material*

	401		410		420		430		440		450																																																	
1	T	T	A	C	A	C	T	T	A	G	C	T	G	G	A	A	T	T	T	C	A	T	C	A	A	T	T	T	T	A	G	G	A	G	C	T	G	T	A	A	A	T	T	T	A	T	T	A	C											
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	451										460										470										480										490										500									
1	A	A	C	T	G	T	T	A	T	T	A	A	T	A	T	A	C	G	A	T	C	T	A	C	A	G	G	A	A	T	C	A	C	A	T	T	T	G	A	T	C	G	A	A	T	A	C	C	T	A	C	T								
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	501										510										520										530										540										550									
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	551										560										570										580										590										600									
1	C	C	A	G	T	A	T	T	A	G	C	C	G	G	T	G	C	A	A	T	T	A	C	T	A	T	A	T	T	A	T	T	A	A	C	T	G	A	T	C	G	A	A	A	T	T	T	A	A	A										
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*Material suplementario / Supplementary material*

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	601				610				620				630				640				650																												
1	T	A	C	T	T	C	A	T	T	C	T	T	G	A	T	C	C	A	G	C	A	G	G	A	G	G	A	G	G	A	G	A	T	C	C	T	A	T	T	T	T	A	T	A	T	C	A	A	C
2	.	.	.	A	.	.	.	.	.	.	.	.	.	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	C	.	.	A	.	.	C	.	.	G	.	.	C	.	.	.	.	
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651							
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**Material suplementario / Supplementary material**

**Table S21.** Alignment of Cyt-b (307 bp) consensus sequences obtained for the studied species: *Ch. albiceps* (1), *C. vicina* (2), *C. vomitoria* (3), *L. sericata* (4), *L. ampullacea* (5), *L. caesar* (6) and *L. illustris* (7). The base differences between species are indicated (5'→3'). Identity is indicated with a full stop (·), changes with an asterisk (\*) and nucleotide notation follow IUB code. Sequences begin at the 3' end of the forward primer.

	1	10	20	30	40	50																																																			
1	T	T	C	G	G	T	T	C	A	T	T	A	T	T	A	T	T	T	T	A	T	G	T	T	T	A	A	T	G	A	T	T	C	A	A	A	T	T	T	A	A	C	T	G	G	A	C										
2	·	·	·	·	·	·	A	·	·	T	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	T						
3	·	·	·	T	·	·	A	·	·	T	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	T						
4	·	·	·	T	·	·	A	·	·	T	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	T	T						
5	·	·	·	T	·	·	A	·	·	T	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	T	T						
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7	·	·	·	T	·	·	A	·	·	T	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	T	T					
	51	60	70	80	90	100																																																			
1	T	A	T	T	T	T	A	G	C	T	A	T	A	C	A	T	T	A	T	A	C	A	G	C	T	G	A	T	A	T	T	A	A	T	T	T	A	G	C	C	T	T	C	A	A	T	A	G	A								
2	·	·	·	·	·	·	·	·	·	·	C	·	G	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·					
3	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·				
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	101	110	120	130	140	150																																																			
1	G	T	T	A	A	T	C	A	T	A	T	T	T	G	T	C	G	A	G	A	T	G	T	A	A	A	T	T	A	T	G	G	A	T	G	A	T	T	A	T	T	A	C	G	A	A	C	T	A	T							
2	·	·	·	A	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·			
3	·	·	A	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·		
4	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·		
5	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·		
6	·	·	·	·	·	·	·	C	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·		
7	·	·	·	·	·	·	·	C	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·		
	151	160	170	180	190	200																																																			
1	A	C	A	T	G	C	T	A	A	T	G	G	T	G	C	A	T	C	A	T	T	T	T	T	C	T	T	A	T	T	T	G	C	A	T	T	T	A	C	T	T	A	C	A	T	G	T	A	G								
2	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·			
3	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	
4	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	
5	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·		
6	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	
7	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·

*Material suplementario / Supplementary material*

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	201		210		220		230		240		250
1	G A C G A G G A A T T T A C T A C G G T T C T T A C T T A T T T A C T C C T A C A T G A T T A G T A										
2	. . . . . . . . . . A . . T . . . T . . . . . . . . . A . . T . . . . . . . . . A . . T . . . . . . . . . .										
3	. . . . . . . . . . A . . T . . . . . . . . . A . . . . . . . . . A . . A . . T . . . . . . . . . .										
4	. A . . . A . . . . . . . . . . . . . . . A . . T . . . . . . . . . .										
5	. . . . . . . . . . A . . T . . . T . . . A . . . . . . T . . . . . . . . . C . . . . . T . . . . . . . . . .										
6	. T . . . . . . A . . . A . . T . . . . . . . . . A . . . . . T . . . . . . . . . .										
7	. T . . . . . A . . . A . . T . . . . . . . . . A . . . . . T . . . . . . . . . .										
			*		*		*		*		*
	251		260		270		280		290		300
1	G G A G T A A T T A T T T T A T T C T A G T A A T A G G A A C A G C C T T T A T A G G A T A T G T										
2	. C T . . . . . . . . . . . . . . . . . . . A . . . . . . . . . . . . . . . .										
3	. C T . . . . . . . . . . . . . . . . . . . T . . . A . . . . . . . . . . . . . . . .										
4	. C . . . . . . . . . T . . . . . T . . . . . . . . . . . . . . . A . . . . . . . . . . . . . . . .										
5	. . . . . T . . . . . . . . . C . . . . . . . . . C . . . . . . . . . . . . . . . . . . . A . . . . . . . . . . . T . . . . . . . . . .										
6	. C T . . . . . . . . . . . . . . . . . . . A . . . . . . . . . . . R . . . . . . . . . .										
7	. Y T . . . . . . . . . . . . . . . . . . . A .										
			*		*		*		*		*
	301		307								
1	A T T A C C A										
2	C C . T . . .										
3	T C . T . . .										
4	T . . . . . .										
5	. C . T . . .										
6	. C . T . . .										
7	M C . T . . .										
	*		*								



*Material suplementario / Supplementary material*

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	201		210		220		230		240		250																																																	
1	A	T	A	A	A	A	T	A	T	T	T	A	T	G	A	A	A	C	T	A	G	A	A	T	T	G	C	C	T	C	T	C	T	A	A	A	A	G	A	A	G	A	A	A	A	A	G	-	-	-										
2	.	.	.	.	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
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							*	*																																																				
	251		260		270		280		290		300																																																	
1	-	-	-	A	A	A	A	A	T	A	C	A	G	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
2	T	-	-	-	-	-	T	.	.	T	T	.	A	.	.	.	A	T	A	T	T	A	C	T	T	A	T	C	-	-	.	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
3	T	T	A	T	T	T	G	T	.	.	T	.	A	.	.	.	A	T	T	A	A	A	C	A	A	A	C	T	A	A	.	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
4	T	T	A	T	T	T	T	.	.	T	.	A	.	.	.	.	A	T	T	A	A	A	C	A	A	A	C	T	A	A	.	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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	301		310		320		330		340		350																																																	
1	T	C	A	T	G	G	-	T	T	T	T	G	A	T	A	T	T	T	A	A	A	T	A	T	T	G	A	T	A	G	A	T	T	A	T	C	A	A	T	T	T	A	T	T	T	T	A	T	T	A	T	T	A							
2	.	.	.	.	.	.	-	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
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	351	353																																																										
1	T	A	C																																																									
2	.	.	.																																																									
3	.	.	.																																																									
4	.	.	.																																																									

**Table S23.** GenBank COI barcode (658 bp) and Cyt-b (307 bp) sequences included in the analysis. The table shows species, number of specimens (N), accession number (AN), haplotypes (H), authors, submission date (SD) and origin.

Species	N	COI barcode		Cyt-b		Authors	SD	Origin
		AN	H	AN	H			
<i>Ch. albiceps</i>	1	JX913736	HI	JX913736	HIII	Nelson <i>et al.</i>	07-OCT-2012	Zambia
	2	NC019631	HI	NC019631	HIII	Nelson <i>et al.</i>	07-OCT-2012	Zambia
<i>Ch. bezziana</i>	1	JX913737	HI	JX913737	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	2	NC019632	HI	NC019632	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
<i>Ch. megacephala</i>	1	AJ426041	HI	AJ426041	HII	Stevens <i>et al.</i>	19-DEC-2001	India
	2	JX913738	HI	JX913738	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	3	JX913739	HII	JX913739	HIII	Nelson <i>et al.</i>	07-OCT-2012	Australia
<i>Ch. putoria</i>	1	AF352790	HI	AF352790	HI	Junqueira <i>et al.</i>	23-FEB-2001	Brazil
	2	NC002697	HI	NC002697	HI	Junqueira <i>et al.</i>	23-FEB-2001	Brazil
<i>Ch. rufifacies</i>	1	JX913740	HI	JX913740	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	2	JX913741	HII	JX913741	HII	Nelson <i>et al.</i>	07-OCT-2012	Australia
	3	NC019634	HI	NC019634	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
<i>Pr. terraenovae</i>	1	JX913743	HI	JX913743	HI	Nelson <i>et al.</i>	07-OCT-2012	France
	2	NC019636	HI	NC019636	HI	Nelson <i>et al.</i>	07-OCT-2012	France
<i>P. regina</i>	1	KF225240	HI	KF225249	HI	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	2	KF225241	HI	KF225250	HI	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	3	KF225242	HI	KF225251	HII	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	4	KF225243	HI	KF225252	HI	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	5	KF225244	HIII	KF225253	HII	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	6	KF225245	HII	KF225254	HII	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	7	KF225246	HI	KF225255	HI	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	8	KF225247	HI	KF225256	HI	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	9	KF225248	HI	KF225257	HI	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
<i>C. vicina</i>	1	JX913760	HI	JX913760	HI	Nelson <i>et al.</i>	07-OCT-2012	France
	2	NC019639	HI	NC019639	HI	Nelson <i>et al.</i>	07-OCT-2012	France
<i>C. vomitoria</i>	1	JQ307767	HI	JQ307812	HI	Godfrey & Smith	15/17-DEC-2011	UK
<i>L. sericata</i>	1	AJ422212	HI	AJ422212	HI	Stevens <i>et al.</i>	18-DEC-2001	UK
	2	JQ307761	HVIII	JQ307810	HI	Godfrey & Smith	15/17-DEC-2011	UK
	3	JX913754	HVII	JX913754	HV	Nelson <i>et al.</i>	07-OCT-2012	Australia
	4	JX913755	HI	JX913755	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	5	JX913756	HI	JX913756	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	6	JX913757	HVII	JX913757	HV	Nelson <i>et al.</i>	07-OCT-2012	USA
	7	NC009733	HI	NC009733	HI	Stevens <i>et al.</i>	07-AUG-2007	UK
<i>L. cuprina</i>	1	JX913744	HI	JX913744	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	2	JX913745	HI	JX913745	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	3	JX913746	HI	JX913746	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	4	JX913747	HI	JX913747	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	5	JX913748	HI	JX913748	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	6	JX913749	HIII	JX913749	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	7	JX913750	HII	JX913750	HII	Nelson <i>et al.</i>	07-OCT-2012	Australia
	8	JX913751	HII	JX913751	HII	Nelson <i>et al.</i>	07-OCT-2012	Australia
	9	JX913752	HII	JX913752	HIII	Nelson <i>et al.</i>	07-OCT-2012	Australia
	10	JX913753	HII	JX913753	HII	Nelson <i>et al.</i>	07-OCT-2012	Australia
	11	NC019573	HI	NC019573	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
<i>L. ampullacea</i>	1	JQ307766	HI	JQ307807	HII	Godfrey & Smith	15/17-DEC-2011	UK
<i>L. porphyrina</i>	1	JX913758	HI	JX913758	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
	2	NC019637	HI	NC019637	HI	Nelson <i>et al.</i>	07-OCT-2012	Australia
<i>L. caesar</i>	1	JQ307765	HII	JQ307808	HIV	Godfrey & Smith	15/17-DEC-2011	UK
<i>L. illustris</i>	1	JQ307764	HIII	JQ307809	HII	Godfrey & Smith	15/17-DEC-2011	UK

**Table S24.** GenBank ITS2 (310-331 bp) sequences included in the analysis. The table shows species, number of specimens (N), accession number (AN), variants (Vt), authors, submission date (SD) and origin.

Species	N	AN	Vt	Authors	SD	Origin
<i>Ch. albiceps</i>	1	EF560172	VtI	Marinho <i>et al.</i>	16-APR-2007	Brazil
	2	EF560173	VtI	Marinho <i>et al.</i>	16-APR-2007	Uruguay
	3	KF679781	VtI	Oshaghi & Mostafavi	17-SEP-2013	Iran
<i>Ch. bezziana</i>	1	EF560174	VtI	Marinho <i>et al.</i>	16-APR-2007	Malaysia
	2	FJ824825	VtI	Jarrett <i>et al.</i>	13-MAR-2009	Indonesia
<i>Ch. megacephala</i>	1	DQ310488	VtI	Nelson <i>et al.</i>	30-NOV-2005	Australia
	2	EF071964	VtI	Nelson <i>et al.</i>	20-OCT-2006	Australia
	3	EF071965	VtI	Nelson <i>et al.</i>	20-OCT-2006	Australia

*Material suplementario / Supplementary material*

	4	EF071966	Vtl	Nelson <i>et al.</i>	20-OCT-2006	Australia
	5	EF560175	Vtl	Marinho <i>et al.</i>	16-APR-2007	Brazil
	6	FJ830688	Vtl	Jarrett <i>et al.</i>	16-MAR-2009	Malaysia
	7	JQ811391	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	8	JQ811392	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	9	JQ811393	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	10	JQ811394	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	11	JQ811395	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	12	JQ811396	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	13	JQ811397	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	14	JQ811398	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	15	JQ811399	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	16	JQ811400	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	17	JQ811401	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	18	JQ811402	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	19	JQ811403	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	20	JQ811404	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	21	JQ811405	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	22	JQ811406	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	23	JQ811407	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	24	JQ811408	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	25	JQ811409	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	26	JQ811410	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	27	JQ811411	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	28	JQ811412	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	29	JQ811413	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	30	JQ811414	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	31	JQ811415	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	32	JQ811416	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	33	JQ811417	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	34	JQ811418	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
<i>Ch. putoria</i>	1	EF560176	Vtl	Marinho <i>et al.</i>	16-APR-2007	Brazil
<i>Ch. ruffifacies</i>	1	EF560177	Vtl	Marinho <i>et al.</i>	16-APR-2007	Australia
	2	JQ811355	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	3	JQ811356	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	4	JQ811357	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	5	JQ811358	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	6	JQ811359	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	7	JQ811360	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	8	JQ811361	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	9	JQ811362	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	10	JQ811363	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	11	JQ811364	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
<i>Pr. terraenovae</i>	1	EF560193	Vtl	Marinho <i>et al.</i>	16-APR-2007	France
<i>Ph. regina</i>	1	KF225303	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	2	KF225304	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	3	KF225305	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	4	KF225306	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	5	KF225307	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	6	KF225308	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	7	KF225309	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	8	KF225310	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	9	KF225311	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
<i>C. vicina</i>	1	AF498022	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	2	AF498023	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	3	AF498024	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	4	AF498025	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	5	AF498026	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	6	EF560178	Vtl	Marinho <i>et al.</i>	16-APR-2007	France
	7	KF225258	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	8	KF225259	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	9	KF225260	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	10	KF225261	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	11	KF225262	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	12	KF225263	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	13	KF225264	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	14	KF225265	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	15	KF225266	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	16	KF225267	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	17	KF225268	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	18	KF225269	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany



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	19	KF225270	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	20	KF225271	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	21	KF225272	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	22	KF225273	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	23	KF225274	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	24	KF225275	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	25	KF225276	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	26	KF225277	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	27	KF225278	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	28	KF225279	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	29	KF225280	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	30	KF225281	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	31	KF225282	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	32	KF225283	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	33	KF225284	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	34	KF225285	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	35	KF225286	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	36	KF225287	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	37	KF225288	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	38	KF225289	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	39	KF225290	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	40	KF225291	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	41	KF225292	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	42	KF679779	Vtl	Oshagi & Mostafavi	11-AUG-2014	Iran
<i>C. vomitoria</i>	1	AF498018	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	2	AF498019	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	3	AF498020	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	4	AF498021	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
<i>L. sericata</i>	1	EF560187	Vtl	Marinho <i>et al.</i>	16-APR-2007	France
	2	FJ614858	Vtl	Zaidi & Chen	08-JAN-2009	China
	3	FJ614859	Vtl	Zaidi & Chen	08-JAN-2009	China
	4	FJ614860	Vtl	Zaidi & Chen	08-JAN-2009	China
	5	KF225298	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	6	KF225299	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	7	KF679780	Vtl	Oshagi & Mostafavi	17-SEP-2013	Iran
<i>L. cuprina</i>	1	EF560185	Vtl	Marinho <i>et al.</i>	16-APR-2007	Brazil
	2	JQ811303	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	3	JQ811304	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	4	JQ811305	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	5	JQ811306	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	6	JQ811307	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	7	JQ811308	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	8	JQ811309	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	9	JQ811310	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	10	JQ811311	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	11	JQ811312	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	12	JQ811313	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	13	JQ811314	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	14	JQ811315	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	15	JQ811316	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	16	JQ811317	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	17	JQ811318	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
	18	JQ811319	Vtl	Bhakdeenuan	21-MAR-2012	Thailand
<i>L. ampullacea</i>	1	AF498027	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	2	AF498028	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	3	AF498029	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	4	AF498030	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	5	KF225293	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	6	KF225294	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	7	KF225295	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	8	KF225296	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	9	KF225297	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	10	JX295788	Vtl	Sonet <i>et al.</i>	10-JUL-2012	Belgium
	11	JX295789	Vtl	Sonet <i>et al.</i>	10-JUL-2012	Belgium
<i>L. porphyrina</i>	1	JQ811286	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	2	JQ811287	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	3	JQ811288	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	4	JQ811289	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	5	JQ811290	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	6	JQ811291	Vtl	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
<i>L. caesar</i>	1	AF498031	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK

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	2	AF498032	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	3	AF498033	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	4	AF498034	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	5	JX295790	Vtl	Sonet <i>et al.</i>	10-JUL-2012	Ponland
	6	JX295791	Vtl	Sonet <i>et al.</i>	10-JUL-2012	Ponland
	7	JX295792	Vtl	Sonet <i>et al.</i>	10-JUL-2012	UK
	8	JX295793	Vtl	Sonet <i>et al.</i>	10-JUL-2012	UK
	9	JX295794	Vtl	Sonet <i>et al.</i>	10-JUL-2012	UK
	10	JX295795	Vtl	Sonet <i>et al.</i>	10-JUL-2012	Germany
	11	JX295796	Vtl	Sonet <i>et al.</i>	10-JUL-2012	Germany
	12	KF225300	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	13	KF225301	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	14	KF225302	Vtl	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
<i>L. illustris</i>	1	AF498035	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	2	AF498036	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	3	AF498037	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	4	AF498038	Vtl	Pickles <i>et al.</i>	02-APR-2002	UK
	5	JX295799	Vtl	Sonet <i>et al.</i>	10-JUL-2012	France
	6	JX295801	Vtl	Sonet <i>et al.</i>	10-JUL-2012	Belgium
	7	JX295802	Vtl	Sonet <i>et al.</i>	10-JUL-2012	Belgium
	8	JX295803	Vtl	Sonet <i>et al.</i>	10-JUL-2012	Germany
	9	JX295804	Vtl	Sonet <i>et al.</i>	10-JUL-2012	Belgium

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**Table S25.** Pairwise sequence divergence between the studied Calliphoridae (*Ch. albiceps*<sup>a</sup>, *C. vicina*<sup>a</sup>, *C. vomitoria*<sup>a</sup>, *L. sericata*<sup>a</sup>, *L. ampullacea*<sup>a</sup>, *L. caesar*<sup>a</sup> and *L. illustris*<sup>a</sup>) haplotypes for the COI barcode (658 bp). GenBank database sequences for the same and other Calliphoridae species were included for comparison purposes. The brackets in the superscript indicate more than one sequence with same haplotype (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33			
1 <i>Ch. albiceps</i> <sup>a</sup>	—	0.0	0.2	0.2	0.2	0.3	6.1	4.9	5.3	5.5	2.7	2.7	6.8	8.4	8.2	8.4	9.1	9.1	9.3	9.3	9.1	9.3	9.3	9.0	9.3	9.1	9.3	9.1	9.3	9.1	9.1	9.1	9.1	9.1		
2 <i>Ch. albiceps</i> <sup>b</sup>	0	—	0.2	0.2	0.2	0.3	6.1	4.9	5.3	5.5	2.7	2.7	6.8	8.4	8.2	8.4	9.1	9.1	9.3	9.3	9.1	9.3	9.3	9.0	9.3	9.1	9.3	9.1	9.3	9.1	9.3	9.1	9.1	9.1	9.1	
3 <i>Ch. albiceps</i> <sup>b</sup>	1	1	—	0.3	0.3	0.5	6.2	5.0	5.5	5.6	2.9	2.9	7.0	8.5	8.4	8.5	9.1	9.1	9.3	9.3	9.1	9.3	9.3	9.0	9.3	9.1	9.3	9.1	9.3	9.1	9.1	9.1	9.1	9.1		
4 <i>Ch. albiceps</i> <sup>c</sup>	1	1	2	—	0.3	0.5	6.2	5.0	5.5	5.6	2.9	2.9	7.0	8.5	8.4	8.5	9.3	9.3	9.4	9.4	9.3	9.4	9.4	9.1	9.4	9.3	9.4	9.3	9.4	9.3	9.4	9.3	9.3	9.3	9.3	
5 <i>Ch. albiceps</i> <sup>d</sup>	1	1	2	2	—	0.2	6.1	4.9	5.3	5.6	2.9	2.9	6.8	8.4	8.2	8.4	9.1	9.1	9.3	9.3	9.1	9.3	9.3	9.0	9.3	9.1	9.3	9.1	9.3	9.1	9.3	9.1	9.1	9.1	9.1	
6 <i>Ch. albiceps</i> <sup>e</sup>	2	2	3	3	1	—	6.2	5.0	5.5	5.8	3.0	3.0	7.0	8.5	8.4	8.5	9.3	9.3	9.4	9.4	9.3	9.4	9.4	9.1	9.4	9.3	9.4	9.3	9.4	9.3	9.4	9.3	9.3	9.3	9.3	
7 <i>Ch. bezziana</i> <sup>f</sup>	40	40	41	41	40	41	—	3.5	3.6	4.4	7.8	7.8	6.7	8.8	8.7	8.8	9.6	9.6	9.7	9.7	9.6	9.7	9.4	9.7	10.0	9.9	10.0	9.6	10.0	9.9	9.9	9.9	9.9	9.9	9.9	
8 <i>Ch. megacephala</i> <sup>f</sup>	32	32	33	33	32	33	23	—	0.5	4.0	6.5	6.5	5.3	7.8	7.6	7.8	8.5	8.5	8.7	8.7	8.5	8.7	8.4	8.4	8.7	8.2	8.4	8.2	8.7	8.5	8.5	8.5	8.5	8.5		
9 <i>Ch. megacephala</i> <sup>g</sup>	35	35	36	36	35	36	24	3	—	3.8	7.0	7.0	5.5	7.9	7.8	7.9	8.7	8.7	8.8	8.8	8.7	8.8	8.8	8.5	8.5	8.8	8.4	8.5	8.4	8.8	8.7	8.7	8.7	8.7	8.7	
10 <i>Ch. putoria</i> <sup>h</sup>	36	36	37	37	37	38	29	26	25	—	6.5	6.5	6.8	7.8	7.6	7.8	8.8	8.8	9.0	9.0	8.8	9.0	8.7	9.0	9.3	9.1	9.3	8.8	9.3	9.1	9.1	9.1	9.1	9.1	9.1	
11 <i>Ch. ruffacies</i> <sup>a</sup>	18	18	19	19	19	20	51	43	46	43	—	0.3	7.4	8.8	8.7	8.8	10.0	10.0	9.9	10.2	10.3	10.2	10.2	9.9	10.2	10.0	10.2	10.0	9.9	9.7	10.0	10.0	10.0	10.0	10.0	
12 <i>Ch. ruffacies</i> <sup>b</sup>	18	18	19	19	19	20	51	43	46	43	2	—	7.4	8.5	8.4	8.5	10.0	10.0	9.9	10.2	10.3	10.2	10.2	9.9	10.2	10.0	10.2	10.0	9.9	9.7	10.0	10.0	10.0	10.0	10.0	
13 <i>Pr. terraenovae</i> <sup>a</sup>	45	45	46	46	45	46	44	35	36	45	49	49	—	7.6	7.4	7.6	9.4	9.4	9.6	9.6	9.4	9.3	9.6	9.3	9.6	9.1	9.3	9.4	9.6	9.4	9.4	9.4	9.4	9.4	9.4	
14 <i>P. regina</i> <sup>a</sup>	55	55	56	56	55	56	58	51	52	51	58	56	50	—	0.2	0.3	9.1	9.1	9.3	9.3	9.1	9.3	9.3	9.0	9.3	9.1	9.3	9.1	9.3	9.1	9.1	9.1	9.1	9.1	9.1	
15 <i>P. regina</i> <sup>b</sup>	54	54	55	55	54	55	57	50	51	50	57	55	49	1	—	0.2	9.3	9.3	9.4	9.4	9.3	9.4	9.4	9.1	9.4	9.3	9.4	9.3	9.4	9.3	9.4	9.3	9.3	9.3	9.3	
16 <i>P. regina</i> <sup>c</sup>	55	55	56	56	55	56	58	51	52	51	58	56	50	2	1	—	9.4	9.4	9.6	9.6	9.4	9.6	9.6	9.3	9.6	9.4	9.6	9.4	9.6	9.4	9.4	9.4	9.4	9.4	9.4	
17 <i>C. vicina</i> <sup>d</sup>	60	60	60	61	60	61	63	56	57	58	66	66	62	60	61	62	—	0.0	0.2	0.2	0.3	0.2	0.2	0.2	0.5	0.3	0.5	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	
18 <i>C. vicina</i> <sup>e</sup>	60	60	60	61	60	61	63	56	57	58	66	66	62	60	61	62	0	—	0.2	0.2	0.3	0.2	0.2	0.2	0.5	0.3	0.5	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	
19 <i>C. vicina</i> <sup>f</sup>	61	61	61	62	61	62	64	57	58	59	65	65	63	61	62	63	1	1	—	0.3	0.5	0.3	0.3	0.3	0.6	0.5	0.6	0.5	0.3	0.2	0.5	0.5	0.5	0.5	0.5	
20 <i>C. vicina</i> <sup>g</sup>	61	61	61	62	61	62	64	57	58	59	67	67	63	61	62	63	1	1	2	—	0.5	0.3	0.3	0.3	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	
21 <i>C. vicina</i> <sup>h</sup>	60	60	60	61	60	61	63	56	57	58	68	68	62	60	61	62	2	2	3	3	—	0.5	0.5	0.5	0.8	0.6	0.8	0.6	0.8	0.6	0.6	0.6	0.6	0.6	0.6	
22 <i>C. vicina</i> <sup>i</sup>	61	61	61	62	61	62	64	57	58	59	67	67	61	61	62	63	1	1	2	2	3	—	0.3	0.3	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	
23 <i>C. vicina</i> <sup>j</sup>	61	61	61	62	61	62	62	55	56	57	67	67	63	61	62	63	1	1	2	2	3	2	—	0.3	0.6	0.5	0.6	0.2	0.6	0.5	0.5	0.5	0.5	0.5	0.5	
24 <i>C. vicina</i> <sup>k</sup>	59	59	59	60	59	60	64	55	56	59	65	65	61	59	60	61	1	1	2	2	3	2	—	0.3	0.6	0.5	0.6	0.2	0.6	0.2	0.2	0.2	0.2	0.2	0.2	
25 <i>C. vicina</i> <sup>l</sup>	61	61	61	62	61	62	66	57	58	61	67	67	63	61	62	63	3	3	4	4	5	4	2	—	0.5	0.3	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
26 <i>C. vicina</i> <sup>m</sup>	60	60	60	61	60	61	65	54	55	60	66	66	60	60	61	62	2	2	3	3	4	3	3	—	0.2	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
27 <i>C. vicina</i> <sup>n</sup>	61	61	61	62	61	62	66	55	56	61	67	67	61	61	62	63	3	3	4	4	5	4	4	2	—	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
28 <i>C. vicina</i> <sup>o</sup>	60	60	60	61	60	61	63	54	55	58	66	66	62	60	61	62	2	2	3	3	4	3	1	3	2	—	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
29 <i>C. vicina</i> <sup>p</sup>	61	61	61	62	61	62	66	57	58	61	65	65	63	61	62	63	3	3	2	4	5	4	4	2	4	3	—	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
30 <i>C. vicina</i> <sup>q</sup>	60	60	60	61	60	61	65	56	57	60	64	64	62	60	61	62	2	2	1	3	4	3	3	1	3	2	3	2	1	—	0.3	0.3	0.3	0.3	0.3	
31 <i>C. vicina</i> <sup>r</sup>	60	60	60	61	60	61	65	56	57	60	66	66	62	60	61	62	2	2	3	3	4	3	3	1	3	2	3	2	3	2	—	0.3	0.3	0.3	0.3	0.3
32 <i>C. vicina</i> <sup>s</sup>	60	60	60	61	60	61	65	56	57	60	66	66	62	60	61	62	2	2	3	3	4	3	3	1	3	2	3	2	3	2	2	—	0.3	0.3	0.3	0.3

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX; <sup>j</sup>Haplotype HX; <sup>k</sup>Haplotype HXI; <sup>l</sup>Haplotype HXII; <sup>m</sup>Haplotype HXIII; <sup>n</sup>Haplotype HXIV; <sup>o</sup>Haplotype HXV; <sup>p</sup>Haplotype HXVI; <sup>q</sup>Haplotype HXVII; <sup>r</sup>Haplotype HXVIII.

*Material suplementario / Supplementary material*

**Table S25.** (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33		
33	<i>C. vicina</i> <sup>a,b</sup>	60	60	60	61	60	61	65	56	57	60	66	66	62	60	61	62	2	2	3	3	4	3	3	1	3	2	3	2	3	2	2	2	—	
34	<i>C. vicina</i> <sup>a,c</sup>	60	60	60	61	60	61	65	56	57	60	66	66	62	60	61	62	2	2	3	3	4	3	3	1	3	2	3	2	3	2	2	2	2	
35	<i>C. vicina</i> <sup>a,t</sup>	61	61	61	62	61	62	66	57	58	61	67	67	63	59	60	61	3	3	4	4	5	4	4	2	2	3	2	3	4	3	3	3	3	
36	<i>C. vomitoria</i> <sup>a</sup>	62	62	62	63	62	63	61	58	59	55	66	66	67	64	65	66	28	28	27	29	28	27	27	29	31	30	31	28	29	28	30	30	30	
37	<i>C. vomitoria</i> <sup>a,e</sup>	62	62	62	63	62	63	61	58	59	55	66	66	67	64	65	66	28	28	27	29	28	27	27	29	31	30	31	28	29	28	30	30	30	
38	<i>C. vomitoria</i> <sup>a,b</sup>	63	63	63	64	63	64	62	59	60	56	67	67	68	65	66	67	29	29	28	30	29	28	28	30	30	31	30	29	30	29	31	31	31	
39	<i>C. vomitoria</i> <sup>a,c</sup>	63	63	63	64	63	64	60	57	58	56	69	69	66	63	64	65	29	29	30	30	29	28	28	30	32	31	32	29	32	31	31	31	31	
40	<i>C. vomitoria</i> <sup>a,d</sup>	64	64	64	65	64	65	61	58	59	57	69	69	66	64	65	66	29	29	30	30	29	28	28	30	32	31	32	29	32	31	31	31	31	
41	<i>L. sericata</i> <sup>a</sup>	68	68	68	69	68	69	62	57	58	63	72	72	61	64	63	64	42	42	41	43	42	43	43	43	45	44	45	44	43	42	43	44	44	
42	<i>L. sericata</i> <sup>a,b</sup>	68	68	68	69	68	69	62	57	58	63	72	72	61	64	63	64	42	42	41	43	42	43	43	43	45	44	45	44	43	42	43	44	44	
43	<i>L. sericata</i> <sup>a,b</sup>	69	69	69	70	69	70	63	56	57	64	73	73	62	65	64	65	43	43	42	44	43	44	44	44	46	45	46	45	44	43	44	45	45	
44	<i>L. sericata</i> <sup>c</sup>	69	69	69	70	69	70	63	58	59	64	73	73	62	65	64	65	43	43	42	44	43	44	44	44	46	45	46	45	44	43	44	45	45	
45	<i>L. sericata</i> <sup>a,d</sup>	70	70	70	71	70	71	64	59	60	65	74	74	63	64	63	64	44	44	43	44	44	45	45	45	45	47	46	47	46	45	44	45	46	46
46	<i>L. sericata</i> <sup>a,e</sup>	69	69	69	70	69	70	63	58	59	64	73	73	62	65	64	65	43	43	42	44	43	44	44	44	46	45	46	45	44	43	44	45	45	
47	<i>L. sericata</i> <sup>f</sup>	67	67	67	68	67	68	61	56	59	64	71	71	62	65	64	65	43	43	42	44	43	44	44	44	46	45	46	45	44	43	44	45	45	
48	<i>L. sericata</i> <sup>g</sup>	69	69	69	70	69	70	63	58	59	63	73	73	62	65	64	65	43	43	42	44	43	44	44	44	46	45	46	45	44	43	44	45	45	
49	<i>L. sericata</i> <sup>h</sup>	69	69	69	70	69	70	63	58	59	64	73	73	60	65	64	65	43	43	42	44	43	42	44	44	46	45	46	45	44	43	44	45	45	
50	<i>L. cuprina</i> <sup>a</sup>	67	67	67	68	67	68	62	62	65	73	68	68	65	74	73	74	44	44	43	45	46	45	45	45	47	46	47	46	45	44	45	46	46	
51	<i>L. cuprina</i> <sup>b</sup>	69	69	69	70	69	70	64	57	58	65	73	73	61	64	63	64	46	46	45	47	46	47	47	45	47	46	47	46	45	44	45	46	46	
52	<i>L. cuprina</i> <sup>c</sup>	65	65	65	66	65	66	60	60	63	72	68	68	64	73	72	73	43	43	44	44	45	44	44	44	46	45	46	45	46	45	44	45	45	
53	<i>L. ampullacea</i> <sup>a</sup>	72	72	72	73	72	73	72	64	65	68	76	76	66	68	69	70	47	47	48	48	47	48	48	48	50	49	50	49	50	49	48	49	49	
54	<i>L. ampullacea</i> <sup>a,b</sup>	72	72	72	73	72	73	72	64	65	68	76	76	66	68	69	70	47	47	48	48	47	48	48	48	50	49	50	49	50	49	48	49	49	
55	<i>L. porphyrina</i> <sup>a</sup>	74	74	74	75	74	75	72	68	67	70	76	76	71	71	70	69	58	58	59	59	58	59	57	57	59	58	59	56	59	58	58	58	58	
56	<i>L. caesar</i> <sup>a,b</sup>	57	57	57	58	57	58	57	53	54	59	66	66	60	62	63	64	39	39	40	40	39	40	38	38	40	37	40	39	39	39	39	39	39	
57	<i>L. caesar</i> <sup>b</sup>	59	59	59	60	59	60	57	55	56	59	70	68	64	62	63	64	41	41	42	42	41	42	40	42	44	43	44	41	44	43	43	43	43	
58	<i>L. caesar</i> <sup>a,b</sup>	59	59	59	60	59	60	57	55	56	59	70	68	64	62	63	64	41	41	42	42	41	42	40	42	44	43	44	41	44	43	43	43	43	
59	<i>L. caesar</i> <sup>a,c</sup>	61	61	61	62	61	62	59	57	58	61	70	68	64	64	65	66	41	41	42	42	41	42	40	42	44	43	44	41	44	43	42	43	43	
60	<i>L. caesar</i> <sup>a,d</sup>	60	60	60	61	60	61	58	56	57	60	69	67	63	63	64	65	40	40	41	41	40	41	39	41	43	42	43	40	43	42	42	42	42	
61	<i>L. caesar</i> <sup>a,e</sup>	62	62	62	63	62	63	58	56	57	60	71	69	63	65	66	67	42	42	43	43	42	43	41	43	45	44	45	42	45	44	44	44	44	
62	<i>L. caesar</i> <sup>a,f</sup>	62	62	62	63	62	63	60	56	57	62	69	67	63	65	66	67	44	44	45	45	44	45	43	43	45	44	45	42	45	44	44	44	44	
63	<i>L. illustris</i> <sup>a</sup>	58	58	58	59	58	59	56	54	55	58	67	67	61	63	64	65	38	38	39	39	38	39	37	39	41	40	41	38	41	40	40	40	40	
64	<i>L. illustris</i> <sup>a,b</sup>	61	61	61	62	61	62	61	55	56	61	70	70	64	65	66	67	43	43	44	44	43	44	42	42	44	43	44	41	44	43	43	43	43	
65	<i>L. illustris</i> <sup>c</sup>	60	60	60	61	60	61	60	54	55	60	69	69	63	64	65	66	42	42	43	43	42	43	41	41	43	42	43	40	43	42	42	42	42	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII.

*Material suplementario / Supplementary material*

**Table 25.** (Continued)

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
1 <i>Ch. albiceps</i> <sup>a)</sup>	9.1	9.3	9.4	9.4	9.6	9.6	9.7	10.3	10.3	10.5	10.5	10.6	10.5	10.2	10.5	10.5	10.2	10.5	9.9	10.9	10.9	11.2	8.7	9.0	9.0	9.3	9.1	9.4	9.4	8.8	9.3	9.1
2 <i>Ch. albiceps</i> <sup>b)</sup>	9.1	9.3	9.4	9.4	9.6	9.6	9.7	10.3	10.3	10.5	10.5	10.6	10.5	10.2	10.5	10.5	10.2	10.5	9.9	10.9	10.9	11.2	8.7	9.0	9.0	9.3	9.1	9.4	9.4	8.8	9.3	9.1
3 <i>Ch. albiceps</i> <sup>b)</sup>	9.1	9.3	9.4	9.4	9.6	9.6	9.7	10.3	10.3	10.5	10.5	10.6	10.5	10.2	10.5	10.5	10.2	10.5	9.9	10.9	10.9	11.2	8.7	9.0	9.0	9.3	9.1	9.4	9.4	8.8	9.3	9.1
4 <i>Ch. albiceps</i> <sup>c)</sup>	9.3	9.4	9.6	9.6	9.7	9.7	9.9	10.5	10.5	10.6	10.6	10.8	10.6	10.3	10.6	10.6	10.3	10.6	10.0	11.1	11.1	11.4	8.8	9.1	9.1	9.4	9.3	9.6	9.6	9.0	9.4	9.3
5 <i>Ch. albiceps</i> <sup>d)</sup>	9.1	9.3	9.4	9.4	9.6	9.6	9.7	10.3	10.3	10.5	10.5	10.6	10.5	10.2	10.5	10.5	10.2	10.5	9.9	10.9	10.9	11.2	8.7	9.0	9.0	9.3	9.1	9.4	9.4	8.8	9.3	9.1
6 <i>Ch. albiceps</i> <sup>e)</sup>	9.3	9.4	9.6	9.6	9.7	9.7	9.9	10.5	10.5	10.6	10.6	10.8	10.6	10.3	10.6	10.6	10.3	10.6	10.0	11.1	11.1	11.4	8.8	9.1	9.1	9.4	9.3	9.6	9.6	9.0	9.4	9.3
7 <i>Ch. bezziana</i> <sup>a)</sup>	9.9	10.0	9.3	9.3	9.4	9.1	9.3	9.4	9.4	9.6	9.6	9.7	9.6	9.3	9.6	9.6	9.4	9.7	9.1	0.0	10.9	10.9	8.7	8.7	8.7	9.0	8.8	8.8	9.1	8.5	9.3	9.1
8 <i>Ch. megacephala</i> <sup>a)</sup>	8.5	8.7	8.8	8.8	9.0	8.7	8.8	8.7	8.7	8.5	8.8	9.0	8.8	8.5	8.8	8.8	9.4	8.7	9.1	9.7	9.7	10.3	8.1	8.4	8.4	8.7	8.5	8.5	8.5	8.2	8.4	8.2
9 <i>Ch. megacephala</i> <sup>b)</sup>	8.7	8.8	9.0	9.0	9.1	8.8	9.0	8.8	8.8	8.7	9.0	9.1	9.0	9.0	9.0	9.9	8.8	9.6	9.9	9.9	10.2	8.2	8.5	8.5	8.8	8.7	8.7	8.7	8.4	8.5	8.4	
10 <i>Ch. putoria</i> <sup>a)</sup>	9.1	9.3	8.4	8.4	8.5	8.5	8.7	9.6	9.6	9.7	9.7	9.9	9.7	9.6	9.7	9.7	11.1	9.9	10.9	10.3	10.3	10.6	9.0	9.0	9.0	9.3	9.1	9.1	9.4	8.8	9.3	9.1
11 <i>Ch. ruffiacies</i> <sup>a)</sup>	10.0	10.2	10.0	10.0	10.2	10.5	10.5	10.9	10.9	11.1	11.1	11.2	11.1	10.8	11.1	11.1	10.3	11.1	10.3	11.6	11.6	11.6	10.0	10.6	10.6	10.6	10.5	10.8	10.5	10.2	10.6	10.5
12 <i>Ch. ruffiacies</i> <sup>b)</sup>	10.0	10.2	10.0	10.0	10.2	10.5	10.5	10.9	10.9	11.1	11.1	11.2	11.1	10.8	11.1	11.1	10.3	11.1	10.3	11.6	11.6	11.9	10.0	10.3	10.3	10.3	10.2	10.5	10.2	10.2	10.6	10.5
13 <i>Pr. terraenovae</i> <sup>a)</sup>	9.4	9.6	10.2	10.2	10.3	10.0	10.0	9.3	9.3	9.4	9.4	9.6	9.4	9.4	9.1	9.9	9.3	9.7	10.0	10.0	10.8	9.1	9.7	9.7	9.7	9.6	9.6	9.6	9.3	9.7	9.6	
14 <i>P. regina</i> <sup>a)</sup>	9.1	9.0	9.7	9.7	9.9	9.6	9.7	9.7	9.7	9.9	9.9	9.7	9.9	9.9	9.9	9.9	11.2	9.7	11.1	10.3	10.3	10.8	9.4	9.4	9.4	9.7	9.6	9.9	9.9	9.6	9.9	9.7
15 <i>P. regina</i> <sup>b)</sup>	9.3	9.1	9.9	9.9	10.0	9.7	9.9	9.6	9.6	9.7	9.7	9.6	9.7	9.7	9.7	11.1	9.6	10.9	10.5	10.5	10.6	9.6	9.6	9.6	9.9	9.7	10.0	10.0	9.7	10.0	9.9	
16 <i>P. regina</i> <sup>c)</sup>	9.4	9.3	10.0	10.0	10.2	9.9	10.0	9.7	9.7	9.9	9.9	9.7	9.9	9.9	9.9	11.2	9.7	11.1	10.6	10.6	10.5	9.7	9.7	9.7	10.0	9.9	10.2	10.2	9.9	10.2	10.0	
17 <i>C. vicina</i> <sup>a)</sup>	0.3	0.5	4.3	4.3	4.4	4.4	4.4	6.4	6.4	6.5	6.5	6.7	6.5	6.5	6.5	6.5	6.7	7.0	6.5	7.1	7.1	8.8	5.9	6.2	6.2	6.2	6.1	6.4	6.7	5.8	6.5	6.4
18 <i>C. vicina</i> <sup>*a)</sup>	0.3	0.5	4.3	4.3	4.4	4.4	4.4	6.4	6.4	6.5	6.5	6.7	6.5	6.5	6.5	6.5	6.7	7.0	6.5	7.1	7.1	8.8	5.9	6.2	6.2	6.2	6.1	6.4	6.7	5.8	6.5	6.4
19 <i>C. vicina</i> <sup>*b)</sup>	0.5	0.6	4.1	4.1	4.3	4.6	4.6	6.2	6.2	6.4	6.4	6.5	6.4	6.4	6.4	6.5	6.8	6.7	7.3	7.3	9.0	6.1	6.4	6.4	6.4	6.2	6.5	6.8	5.9	6.7	6.5	
20 <i>C. vicina</i> <sup>*c)</sup>	0.5	0.6	4.4	4.4	4.6	4.6	4.6	6.5	6.5	6.7	6.7	6.5	6.7	6.7	6.7	6.7	6.8	7.1	6.7	7.3	7.3	9.0	6.1	6.4	6.4	6.4	6.2	6.5	6.8	5.9	6.7	6.5
21 <i>C. vicina</i> <sup>*d)</sup>	0.6	0.8	4.3	4.3	4.4	4.4	4.4	6.4	6.4	6.5	6.5	6.7	6.5	6.5	6.5	6.5	7.0	7.0	6.8	7.1	7.1	8.8	5.9	6.2	6.2	6.2	6.1	6.4	6.7	5.8	6.5	6.4
22 <i>C. vicina</i> <sup>*e)</sup>	0.5	0.6	4.1	4.1	4.3	4.3	4.3	6.5	6.5	6.7	6.7	6.8	6.7	6.7	6.7	6.7	6.8	7.1	6.7	7.3	7.3	9.0	6.1	6.4	6.4	6.4	6.2	6.5	6.8	5.9	6.7	6.5
23 <i>C. vicina</i> <sup>*f)</sup>	0.5	0.6	4.1	4.1	4.3	4.3	4.3	6.5	6.5	6.7	6.7	6.8	6.7	6.7	6.7	6.7	6.8	7.1	6.7	7.3	7.3	8.7	5.8	6.1	6.1	6.1	5.9	6.2	6.5	5.6	6.4	6.2
24 <i>C. vicina</i> <sup>*g)</sup>	0.2	0.3	4.4	4.4	4.6	4.6	4.6	6.5	6.5	6.7	6.7	6.8	6.7	6.7	6.7	6.7	6.8	6.8	6.7	7.3	7.3	8.7	5.8	6.4	6.4	6.4	6.2	6.5	6.5	5.9	6.4	6.2
25 <i>C. vicina</i> <sup>*h)</sup>	0.5	0.3	4.7	4.7	4.6	4.9	4.9	6.8	6.8	7.0	7.0	7.1	7.0	7.0	7.0	7.0	7.1	7.1	7.0	7.6	7.6	9.0	6.1	6.7	6.7	6.7	6.5	6.8	6.8	6.2	6.7	6.5
26 <i>C. vicina</i> <sup>*i)</sup>	0.3	0.5	4.6	4.6	4.7	4.7	4.7	6.7	6.7	6.8	6.8	7.0	6.8	6.8	6.8	7.0	6.8	7.4	7.4	8.8	5.9	6.5	6.5	6.5	6.4	6.7	6.7	6.1	6.5	6.4	6.4	
27 <i>C. vicina</i> <sup>*j)</sup>	0.5	0.3	4.7	4.7	4.6	4.9	4.9	6.8	6.8	7.0	7.0	7.1	7.0	7.0	7.0	7.1	7.1	7.0	7.6	7.6	9.0	6.1	6.7	6.7	6.7	6.5	6.8	6.8	6.2	6.7	6.5	
28 <i>C. vicina</i> <sup>*k)</sup>	0.3	0.5	4.3	4.3	4.4	4.4	4.4	6.7	6.7	6.8	6.8	7.0	6.8	6.8	6.8	7.0	6.8	7.4	7.4	8.5	5.6	6.2	6.2	6.2	6.1	6.4	6.4	5.8	6.2	6.1	6.1	
29 <i>C. vicina</i> <sup>*l)</sup>	0.5	0.6	4.4	4.4	4.6	4.9	4.9	6.5	6.5	6.7	6.7	6.8	6.7	6.7	6.7	6.7	6.8	6.8	7.0	7.6	7.6	9.0	6.1	6.7	6.7	6.7	6.5	6.8	6.8	6.2	6.7	6.5
30 <i>C. vicina</i> <sup>*m)</sup>	0.3	0.5	4.3	4.3	4.4	4.7	4.7	6.4	6.4	6.5	6.5	6.7	6.5	6.5	6.5	6.5	6.7	6.8	7.4	7.4	8.8	5.9	6.5	6.5	6.5	6.4	6.7	6.7	6.1	6.5	6.4	
31 <i>C. vicina</i> <sup>*n)</sup>	0.3	0.5	4.6	4.6	4.7	4.7	4.7	6.5	6.5	6.7	6.7	6.8	6.7	6.7	6.7	6.7	6.8	6.8	6.7	7.3	7.3	8.8	5.9	6.5	6.5	6.4	6.4	6.7	6.7	6.1	6.5	6.4
32 <i>C. vicina</i> <sup>*o)</sup>	0.3	0.5	4.6	4.6	4.7	4.7	4.7	6.7	6.7	6.8	6.8	7.0	6.8	6.8	6.8	7.0	6.8	7.4	7.4	8.8	5.9	6.5	6.5	6.5	6.4	6.7	6.7	6.1	6.5	6.4		

<sup>a)</sup> Haplotype HI; <sup>b)</sup> Haplotype HII; <sup>c)</sup> Haplotype HIII; <sup>d)</sup> Haplotype HIV; <sup>e)</sup> Haplotype HV; <sup>f)</sup> Haplotype HVI; <sup>g)</sup> Haplotype HVII; <sup>h)</sup> Haplotype HVIII; <sup>i)</sup> Haplotype HIX; <sup>j)</sup> Haplotype HX; <sup>k)</sup> Haplotype HXI; <sup>l)</sup> Haplotype HXII; <sup>m)</sup> Haplotype HXIII; <sup>n)</sup> Haplotype HXIV; <sup>o)</sup> Haplotype HXV; <sup>p)</sup> Haplotype HXVI; <sup>q)</sup> Haplotype HXVII; <sup>r)</sup> Haplotype HXVIII.

**Material suplementario / Supplementary material**

**Table S25.** (Continued)

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
33 <i>C. vicina</i> <sup>a</sup>	0.3	0.5	4.6	4.6	4.7	4.7	4.7	6.7	6.7	6.8	6.8	7.0	6.8	6.8	6.8	6.8	7.0	7.0	6.8	7.4	7.4	8.8	5.9	6.5	6.5	6.5	6.4	6.7	6.7	6.1	6.5	6.4
34 <i>C. vicina</i> <sup>a1</sup>	—	0.5	4.4	4.4	4.6	4.6	4.6	6.7	6.7	6.8	6.8	7.0	6.8	6.8	6.8	6.8	7.0	7.0	6.8	7.4	7.4	8.8	5.9	6.5	6.5	6.5	6.4	6.7	6.7	6.1	6.2	6.1
35 <i>C. vicina</i> <sup>a*</sup>	3	—	4.7	4.7	4.6	4.9	4.9	6.8	6.8	7.0	7.0	7.1	7.0	7.0	7.0	7.1	7.1	7.0	7.6	7.6	9.0	6.1	6.7	6.7	6.7	6.5	6.8	6.8	6.2	6.7	6.5	
36 <i>C. vomitoria</i> <sup>a</sup>	29	31	—	0.0	0.2	0.5	0.6	6.1	6.1	6.2	6.2	6.4	6.2	6.2	6.2	5.9	7.0	6.7	7.1	7.8	7.8	7.9	5.6	5.6	5.6	5.9	5.8	6.1	6.4	5.5	6.4	6.2
37 <i>C. vomitoria</i> <sup>a(a)</sup>	29	31	0	—	0.2	0.5	0.6	6.1	6.1	6.2	6.2	6.4	6.2	6.2	6.2	5.9	7.0	6.7	7.1	7.8	7.8	7.9	5.6	5.6	5.6	5.9	5.8	6.1	6.4	5.5	6.4	6.2
38 <i>C. vomitoria</i> <sup>a(b)</sup>	30	30	1	1	—	0.6	0.8	6.2	6.2	6.4	6.4	6.5	6.4	6.4	6.4	6.1	7.1	6.8	7.3	7.9	7.9	8.1	5.8	5.8	5.8	6.1	5.9	6.2	6.5	5.6	6.5	6.4
39 <i>C. vomitoria</i> <sup>a(c)</sup>	30	32	3	3	4	—	0.2	6.2	6.2	6.4	6.4	6.5	6.4	6.4	6.4	6.1	6.8	6.8	7.0	7.4	7.4	7.6	5.3	5.3	5.3	5.6	5.5	5.8	6.1	5.2	6.4	6.2
40 <i>C. vomitoria</i> <sup>a(d)</sup>	30	32	4	4	5	1	—	6.4	6.4	6.5	6.5	6.7	6.5	6.5	6.5	6.2	6.8	7.0	7.0	7.4	7.4	7.8	5.3	5.5	5.5	5.6	5.5	5.8	6.1	5.2	6.4	6.2
41 <i>L. sericata</i> <sup>(a)</sup>	44	45	40	40	41	41	42	—	0.0	0.2	0.2	0.3	0.2	0.2	0.2	0.2	2.1	0.6	2.3	5.8	5.8	7.0	4.7	4.7	4.7	4.7	4.9	4.9	5.2	4.6	5.0	4.9
42 <i>L. sericata</i> <sup>a(a)</sup>	44	45	40	40	41	41	42	0	—	0.2	0.2	0.3	0.2	0.2	0.2	0.2	2.1	0.6	2.3	5.8	5.8	7.0	4.7	4.7	4.7	4.7	4.9	4.9	5.2	4.6	5.0	4.9
43 <i>L. sericata</i> <sup>a(b)</sup>	45	46	41	41	42	42	43	1	1	—	0.3	0.5	0.3	0.3	0.3	0.3	2.3	0.8	2.4	5.9	5.9	7.1	4.9	4.9	4.9	4.9	5.0	5.0	5.3	4.7	5.2	5.0
44 <i>L. sericata</i> <sup>a(c)</sup>	45	46	41	41	42	42	43	1	1	2	—	0.5	0.3	0.3	0.3	0.3	2.3	0.8	2.4	5.9	5.9	7.1	4.9	4.9	4.9	4.9	5.0	5.0	5.3	4.7	5.2	5.0
45 <i>L. sericata</i> <sup>a(d)</sup>	46	47	42	42	43	43	44	2	2	3	3	—	0.5	0.5	0.5	0.5	2.4	0.9	2.6	6.1	6.1	7.3	5.0	5.0	5.0	5.2	5.2	5.5	4.9	5.3	5.2	
46 <i>L. sericata</i> <sup>a(e)</sup>	45	46	41	41	42	42	43	1	1	2	2	3	—	0.3	0.3	0.3	2.3	0.8	2.4	5.9	5.9	7.1	4.9	4.9	4.9	4.9	5.0	5.0	5.3	4.7	5.2	5.0
47 <i>L. sericata</i> <sup>a(f)</sup>	45	46	41	41	42	42	43	1	1	2	2	3	2	—	0.3	0.3	2.0	0.8	2.1	5.9	5.9	7.1	4.9	4.9	4.9	4.9	5.0	5.0	5.3	4.7	5.2	5.0
48 <i>L. sericata</i> <sup>(a)</sup>	45	46	41	41	42	42	43	1	1	2	2	3	2	2	—	0.3	2.3	0.8	2.4	5.9	5.9	7.1	4.9	4.9	4.9	4.9	5.0	5.0	5.3	4.7	5.2	5.0
49 <i>L. sericata</i> <sup>b</sup>	45	46	39	39	40	40	41	1	1	2	2	3	2	2	—	2.3	0.8	2.4	5.9	5.9	7.1	4.9	4.9	4.9	4.9	5.0	5.0	5.3	4.7	5.2	5.0	
50 <i>L. cuprina</i> <sup>(a)</sup>	46	47	46	46	47	45	45	14	14	15	15	16	15	13	15	15	—	2.7	0.6	6.8	6.8	7.8	4.7	5.0	5.0	4.7	4.9	5.2	5.5	4.6	5.3	5.2
51 <i>L. cuprina</i> <sup>(b)</sup>	46	47	44	44	45	45	46	4	4	5	5	6	5	5	5	18	—	2.9	6.1	6.1	6.7	4.7	5.0	5.0	5.0	5.2	5.2	5.2	4.9	5.0	4.9	
52 <i>L. cuprina</i> <sup>c</sup>	45	46	47	47	48	46	46	15	15	16	16	17	16	14	16	16	—	6.8	6.8	7.8	4.7	5.0	5.0	4.7	4.9	5.2	5.5	4.6	5.3	5.2		
53 <i>L. ampullacea</i> <sup>a</sup>	49	50	51	51	52	49	49	38	38	39	39	40	39	39	39	39	45	40	45	—	0.0	5.2	3.8	3.5	3.5	3.2	3.3	3.3	3.6	3.6	4.7	4.6
54 <i>L. ampullacea</i> <sup>a(a)</sup>	49	50	51	51	52	49	49	38	38	39	39	40	39	39	39	39	45	40	45	0	—	5.2	3.8	3.5	3.5	3.2	3.3	3.3	3.6	3.6	4.7	4.6
55 <i>L. porphyrida</i> <sup>(a)</sup>	58	59	52	52	53	50	51	46	46	47	47	48	47	47	47	47	51	44	51	34	34	—	4.9	4.9	4.9	5.2	5.0	5.0	5.0	5.0	5.6	5.5
56 <i>L. caesar</i> <sup>a(a)</sup>	39	40	37	37	38	35	35	31	31	32	32	33	32	32	32	31	31	31	25	25	32	—	0.6	0.6	0.6	0.5	0.8	0.8	0.2	1.2	1.1	
57 <i>L. caesar</i> <sup>b</sup>	43	44	37	37	38	35	36	31	31	32	32	33	32	32	32	32	33	33	33	23	23	32	4	—	0.0	0.3	0.2	0.5	0.8	0.5	1.5	1.4
58 <i>L. caesar</i> <sup>b(b)</sup>	43	44	37	37	38	35	36	31	31	32	32	33	32	32	32	32	33	33	33	23	23	32	4	0	—	0.3	0.2	0.5	0.8	0.5	1.5	1.4
59 <i>L. caesar</i> <sup>b(c)</sup>	43	44	39	39	40	37	37	31	31	32	32	33	32	32	32	31	33	31	21	21	34	4	2	2	—	0.2	0.5	0.8	0.5	1.5	1.4	
60 <i>L. caesar</i> <sup>b(d)</sup>	42	43	38	38	39	36	36	32	32	33	33	34	33	33	33	33	32	34	32	22	22	33	3	1	1	1	—	0.3	0.6	0.3	1.4	1.2
61 <i>L. caesar</i> <sup>b(e)</sup>	44	45	40	40	41	38	38	32	32	33	33	34	33	33	33	33	34	34	34	22	22	33	5	3	3	3	2	—	0.3	0.6	1.4	1.5
62 <i>L. caesar</i> <sup>b(f)</sup>	44	45	42	42	43	40	40	34	34	35	35	36	35	35	35	35	36	34	36	24	24	33	5	5	5	5	4	2	—	0.9	1.4	1.5
63 <i>L. illustris</i> <sup>a</sup>	40	41	36	36	37	34	34	30	30	31	31	32	31	31	31	31	30	32	30	24	24	33	1	3	3	3	2	4	6	—	1.4	1.2
64 <i>L. illustris</i> <sup>b</sup>	41	44	42	42	43	42	42	33	33	34	34	35	34	34	34	34	35	33	35	31	31	37	8	10	10	10	9	9	9	9	—	0.2
65 <i>L. illustris</i> <sup>c</sup>	40	43	41	41	42	41	41	32	32	33	33	34	33	33	33	33	34	32	34	30	30	36	7	9	9	9	8	10	10	8	1	—

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII.

**Table S26.** Pairwise sequence divergence between the studied Calliphoridae (*Ch. albiceps*\*, *C. vicina*\*, *C. vomitoria*\*, *L. sericata*\*, *L. ampullacea*\*, *L. caesar*\* and *L. illustris*\*) haplotypes for the Cyt-b (307 bp). GenBank database sequences for the same and other Calliphoridae species were included for comparison purposes. The brackets in the superscript indicate more than one sequence with same haplotype (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
1 <i>Ch. albiceps</i> <sup>(a)</sup>	—	0.3	0.7	8.5	9.4	8.8	9.1	7.5	5.9	6.2	9.4	10.7	10.1	9.1	9.1	8.8	9.4	9.4	9.1	9.4	9.4	9.4	9.4	9.4	9.8	9.8
2 <i>Ch. albiceps</i> <sup>(b)</sup>	1	—	0.3	8.8	9.8	9.1	9.4	7.8	5.5	5.9	9.8	10.7	10.1	9.4	9.4	9.1	9.8	9.8	9.4	9.8	9.8	9.8	9.8	9.8	10.1	10.1
3 <i>Ch. albiceps</i> <sup>(c)</sup>	2	1	—	8.5	10.1	9.4	9.8	8.1	5.2	5.5	9.4	10.4	9.8	9.1	9.1	8.8	9.4	9.4	9.1	9.4	9.4	9.4	9.4	9.4	10.4	10.4
4 <i>Ch. bezziana</i> <sup>(a)</sup>	26	27	26	—	6.8	6.2	6.5	7.5	7.8	8.1	8.1	8.5	8.1	6.8	6.8	6.5	7.2	7.2	6.8	7.2	7.2	6.8	7.2	7.5	7.5	
5 <i>Ch. megacephala</i> <sup>(a)</sup>	29	30	31	21	—	0.7	0.3	6.5	9.4	9.8	8.8	8.8	8.5	8.1	8.1	7.8	8.5	8.5	8.1	8.5	8.5	8.5	7.8	7.2	7.2	
6 <i>Ch. megacephala</i> <sup>(b)</sup>	27	28	29	19	2	—	0.3	5.9	8.8	9.1	8.1	8.1	7.8	7.5	7.5	7.2	7.8	7.8	7.5	7.8	7.8	7.8	7.2	6.5	6.5	
7 <i>Ch. megacephala</i> <sup>(c)</sup>	28	29	30	20	1	1	—	6.2	9.1	9.4	8.5	8.5	8.1	7.8	7.8	7.5	8.1	8.1	7.8	8.1	8.1	8.1	7.5	6.8	6.8	
8 <i>Ch. putoria</i> <sup>(a)</sup>	23	24	25	23	20	18	19	—	7.5	7.8	8.5	8.8	8.1	7.2	7.2	6.8	6.8	7.5	6.8	7.2	7.5	7.2	7.5	8.5	8.5	
9 <i>Ch. rufifacies</i> <sup>(a)</sup>	18	17	16	24	29	27	28	23	—	0.3	10.1	9.8	9.1	8.8	8.8	8.5	9.1	9.1	8.8	9.1	9.1	9.1	9.1	8.8	8.8	
10 <i>Ch. rufifacies</i> <sup>(b)</sup>	19	18	17	25	30	28	29	24	1	—	10.4	10.1	9.4	9.1	9.1	8.8	9.4	9.4	9.1	9.4	9.4	9.4	9.4	9.1	9.1	
11 <i>Pr. terraenovae</i> <sup>(a)</sup>	29	30	29	25	27	25	26	26	31	32	—	8.8	8.5	9.8	9.8	9.4	9.4	10.1	9.4	9.8	10.1	9.8	10.1	10.7	10.7	
12 <i>P. regina</i> <sup>(a)</sup>	33	33	32	26	27	25	26	27	30	31	27	—	0.7	10.1	10.1	10.4	10.4	10.4	10.1	10.4	10.4	11.1	10.4	10.7	10.7	
13 <i>P. regina</i> <sup>(b)</sup>	31	31	30	25	26	24	25	25	28	29	26	2	—	9.8	9.8	10.1	10.1	10.1	9.8	10.1	10.1	10.7	10.1	10.4	10.4	
14 <i>C. vicina</i> <sup>(a)</sup>	28	29	28	21	25	23	24	22	27	28	30	31	30	—	0.0	0.3	0.3	0.3	0.7	0.3	0.3	1.0	0.3	3.6	3.6	
15 <i>C. vicina</i> <sup>(a)</sup>	28	29	28	21	25	23	24	22	27	28	30	31	30	0	—	0.3	0.3	0.3	0.7	0.3	0.3	1.0	0.3	3.6	3.6	
16 <i>C. vicina</i> <sup>(a)</sup>	27	28	27	20	24	22	23	21	26	27	29	32	31	1	1	—	0.7	0.7	1.0	0.7	0.7	0.7	0.7	3.3	3.3	
17 <i>C. vicina</i> <sup>(a)</sup>	29	30	29	22	26	24	25	21	28	29	29	32	31	1	1	2	—	0.7	0.7	0.3	0.7	1.0	0.7	3.9	3.9	
18 <i>C. vicina</i> <sup>(a)</sup>	29	30	29	22	26	24	25	23	28	29	31	32	31	1	1	2	2	—	1.0	0.7	0.7	1.3	0.7	3.9	3.9	
19 <i>C. vicina</i> <sup>(a)</sup>	28	29	28	21	25	23	24	21	27	28	29	31	30	2	2	3	2	3	—	0.3	1.0	1.0	1.0	4.2	4.2	
20 <i>C. vicina</i> <sup>(a)</sup>	29	30	29	22	26	24	25	22	28	29	30	32	31	1	1	2	1	2	1	—	0.7	0.7	0.7	3.9	3.9	
21 <i>C. vicina</i> <sup>(a)</sup>	29	30	29	22	26	24	25	23	28	29	31	32	31	1	1	2	2	2	3	2	—	1.3	0.7	3.9	3.9	
22 <i>C. vicina</i> <sup>(a)</sup>	29	30	29	21	26	24	25	22	28	29	30	34	33	3	3	2	3	4	3	2	4	—	1.3	3.6	3.6	
23 <i>C. vicina</i> <sup>(a)</sup>	29	30	29	22	24	22	23	23	28	29	31	32	31	1	1	2	2	2	3	2	2	4	—	3.9	3.9	
24 <i>C. vomitoria</i> <sup>(a)</sup>	30	31	32	23	22	20	21	26	27	28	33	33	32	11	11	10	12	12	13	12	12	11	12	—	0.0	
25 <i>C. vomitoria</i> <sup>(a)</sup>	30	31	32	23	22	20	21	26	27	28	33	33	32	11	11	10	12	12	13	12	12	11	12	0	—	

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX.

**Table S26.** (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
26	<i>C. vomitoria</i> <sup>(a,b)</sup>	31	32	33	24	23	21	22	27	28	29	34	33	32	12	12	11	13	13	14	13	13	12	13	1	1
27	<i>C. vomitoria</i> <sup>(a,c)</sup>	31	32	31	22	23	21	22	27	26	27	32	32	31	10	10	9	11	11	12	11	11	10	11	1	1
28	<i>C. vomitoria</i> <sup>(a,d)</sup>	30	31	30	23	22	20	21	28	27	28	33	33	32	11	11	10	12	12	13	12	12	11	12	2	2
29	<i>L. sericata</i> <sup>(a)</sup>	24	25	26	26	26	24	25	24	27	28	29	27	25	24	24	23	25	25	24	25	24	25	25	24	24
30	<i>L. sericata</i> <sup>(a)</sup>	24	25	26	26	26	24	25	24	27	28	29	27	25	24	24	23	25	25	24	25	24	25	25	24	24
31	<i>L. sericata</i> <sup>(a,b)</sup>	24	25	26	28	28	26	27	26	27	28	31	29	27	25	25	24	26	26	25	26	25	26	26	25	25
32	<i>L. sericata</i> <sup>(a,c)</sup>	24	25	26	26	26	24	25	24	27	28	29	27	25	25	25	24	26	26	25	26	25	26	26	25	25
33	<i>L. sericata</i> <sup>(a,d)</sup>	25	26	27	27	27	25	26	25	28	29	30	28	26	25	25	24	26	26	25	26	25	26	26	25	25
34	<i>L. sericata</i> <sup>(a)</sup>	25	26	27	27	25	25	24	25	28	29	30	28	26	25	25	24	26	26	25	26	25	26	26	25	25
35	<i>L. cuprina</i> <sup>(a)</sup>	27	28	29	29	24	22	23	22	29	30	29	30	28	26	26	25	25	27	25	26	27	26	25	30	30
36	<i>L. cuprina</i> <sup>(b)</sup>	27	28	29	29	29	27	28	24	30	31	31	29	27	27	27	26	27	28	25	26	27	26	28	27	27
37	<i>L. cuprina</i> <sup>(c)</sup>	26	27	28	28	28	26	27	24	29	30	31	28	26	26	26	25	27	27	26	27	26	27	27	26	26
38	<i>L. ampullacea</i> <sup>(a)</sup>	31	32	31	25	25	23	24	31	25	26	31	30	29	27	27	26	26	28	26	27	28	25	28	26	26
39	<i>L. ampullacea</i> <sup>(b)</sup>	30	31	30	24	24	22	23	30	24	25	30	29	28	26	26	25	25	27	25	26	27	24	27	25	25
40	<i>L. ampullacea</i> <sup>(b)</sup>	30	31	30	24	24	22	23	30	24	25	30	29	28	26	26	25	25	27	25	26	27	24	27	25	25
41	<i>L. porphyrina</i> <sup>(a)</sup>	29	30	29	29	30	28	29	36	33	34	28	35	33	32	32	31	32	33	30	31	33	29	33	30	30
42	<i>L. caesar</i> <sup>(a)</sup>	27	28	27	21	23	21	22	26	24	25	28	25	24	23	23	22	23	24	21	22	24	21	24	19	19
43	<i>L. caesar</i> <sup>(b)</sup>	25	26	25	19	21	19	20	25	22	23	29	25	24	21	21	20	22	22	21	22	22	21	22	17	17
44	<i>L. caesar</i> <sup>(c)</sup>	26	27	26	20	22	20	21	26	23	24	28	24	23	22	22	21	23	23	22	23	22	23	22	18	18
45	<i>L. caesar</i> <sup>(d)</sup>	27	28	27	21	22	20	21	27	24	25	27	25	24	21	21	20	22	22	20	21	22	20	22	18	18
46	<i>L. caesar</i> <sup>(d)</sup>	27	28	27	21	22	20	21	27	24	25	27	25	24	21	21	20	22	22	20	21	22	20	22	18	18
47	<i>L. caesar</i> <sup>(e)</sup>	26	27	26	20	21	19	20	26	23	24	28	27	26	20	20	19	21	21	20	21	20	21	20	17	17
48	<i>L. illustris</i> <sup>(a)</sup>	26	27	26	20	22	20	21	26	23	24	28	24	23	22	22	21	23	23	22	23	22	23	22	18	18
49	<i>L. illustris</i> <sup>(b)</sup>	26	27	26	22	23	21	22	28	25	26	28	24	23	22	22	21	23	23	22	23	23	22	23	19	19
50	<i>L. illustris</i> <sup>(b)</sup>	26	27	26	22	23	21	22	28	25	26	28	24	23	22	22	21	23	23	22	23	23	22	23	19	19

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX.



Table S26. (Continued)

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
1 <i>Ch. albiceps</i> <sup>a)</sup>	10.1	10.1	9.8	7.8	7.8	7.8	7.8	8.1	8.1	8.8	8.8	8.5	10.1	9.8	9.8	9.4	8.8	8.1	8.5	8.8	8.8	8.5	8.5	8.5	8.5	8.5
2 <i>Ch. albiceps</i> <sup>b)</sup>	10.4	10.4	10.1	8.1	8.1	8.1	8.1	8.5	8.5	9.1	9.1	8.8	10.4	10.1	10.1	9.8	9.1	8.5	8.8	9.1	9.1	8.8	8.8	8.8	8.8	8.8
3 <i>Ch. albiceps</i> <sup>c)</sup>	10.7	10.1	9.8	8.5	8.5	8.5	8.5	8.8	8.8	9.4	9.4	9.1	10.1	9.8	9.8	9.4	8.8	8.1	8.5	8.8	8.8	8.5	8.5	8.5	8.5	8.5
4 <i>Ch. bezziana</i> <sup>a)</sup>	7.8	7.2	7.5	8.5	8.5	9.1	8.5	8.8	8.8	9.4	9.4	9.1	8.1	7.8	7.8	9.4	6.8	6.2	6.5	6.8	6.8	6.5	6.5	7.2	7.2	7.2
5 <i>Ch. megacephala</i> <sup>a)</sup>	7.5	7.5	7.2	8.5	8.5	9.1	8.5	8.8	8.1	7.8	9.4	9.1	8.1	7.8	7.8	9.8	7.5	6.8	7.2	7.2	7.2	6.8	7.2	7.5	7.5	7.5
6 <i>Ch. megacephala</i> <sup>b)</sup>	6.8	6.8	6.5	7.8	7.8	8.5	7.8	8.1	8.1	7.2	8.8	8.5	7.5	7.2	7.2	9.1	6.8	6.2	6.5	6.5	6.5	6.2	6.5	6.8	6.8	6.8
7 <i>Ch. megacephala</i> <sup>c)</sup>	7.2	7.2	6.8	8.1	8.1	8.8	8.1	8.5	7.8	7.5	9.1	8.8	7.8	7.5	7.5	9.4	7.2	6.5	6.8	6.8	6.8	6.5	6.8	7.2	7.2	7.2
8 <i>Ch. putoria</i> <sup>a)</sup>	8.8	8.8	9.1	7.8	7.8	8.5	7.8	8.1	8.1	7.2	7.8	7.8	10.1	9.8	9.8	11.7	8.5	8.1	8.5	8.8	8.8	8.5	8.5	9.1	9.1	9.1
9 <i>Ch. ruffacies</i> <sup>a)</sup>	9.1	8.5	8.8	8.8	8.8	8.8	8.8	9.1	9.1	9.4	9.8	9.4	8.1	7.8	7.8	10.7	7.8	7.2	7.5	7.8	7.8	7.5	7.5	8.1	8.1	8.1
10 <i>Ch. ruffacies</i> <sup>b)</sup>	9.4	8.8	9.1	9.1	9.1	9.1	9.1	9.4	9.4	9.8	10.1	9.8	8.5	8.1	8.1	11.1	8.1	7.5	7.8	8.1	8.1	7.8	7.8	8.5	8.5	8.5
11 <i>Pr. terraenovae</i> <sup>a)</sup>	11.1	10.4	10.7	9.4	9.4	10.1	9.4	9.8	9.8	9.4	10.1	10.1	10.1	9.8	9.8	9.1	9.1	9.4	9.1	8.8	8.8	9.1	9.1	9.1	9.1	9.1
12 <i>P. regina</i> <sup>a)</sup>	10.7	10.4	10.7	8.8	8.8	9.4	8.8	9.1	9.1	9.8	9.4	9.1	9.8	9.4	9.4	11.4	8.1	8.1	7.8	8.1	8.1	8.8	7.8	7.8	7.8	7.8
13 <i>P. regina</i> <sup>b)</sup>	10.4	10.1	10.4	8.1	8.1	8.8	8.1	8.5	8.5	9.1	8.8	8.5	9.4	9.1	9.1	10.7	7.8	7.8	7.5	7.8	7.8	8.5	7.5	7.5	7.5	7.5
14 <i>C. vicina</i> <sup>a)</sup>	3.9	3.3	3.6	7.8	7.8	8.1	8.1	8.1	8.1	8.5	8.8	8.5	8.8	8.5	8.5	10.4	7.5	6.8	7.2	6.8	6.8	6.5	7.2	7.2	7.2	7.2
15 <i>C. vicina</i> <sup>*a)</sup>	3.9	3.3	3.6	7.8	7.8	8.1	8.1	8.1	8.1	8.5	8.8	8.5	8.8	8.5	8.5	10.4	7.5	6.8	7.2	6.8	6.8	6.5	7.2	7.2	7.2	7.2
16 <i>C. vicina</i> <sup>*b)</sup>	3.6	2.9	3.3	7.5	7.5	7.8	7.8	7.8	7.8	8.1	8.5	8.1	8.5	8.1	8.1	10.1	7.2	6.5	6.8	6.5	6.5	6.2	6.8	6.8	6.8	6.8
17 <i>C. vicina</i> <sup>*c)</sup>	4.2	3.6	3.9	8.1	8.1	8.5	8.5	8.5	8.5	8.1	8.8	8.8	8.5	8.1	8.1	10.4	7.5	7.2	7.5	7.2	7.2	6.8	7.5	7.5	7.5	7.5
18 <i>C. vicina</i> <sup>*d)</sup>	4.2	3.6	3.9	8.1	8.1	8.5	8.5	8.5	8.5	8.8	9.1	8.8	9.1	8.8	8.8	10.7	7.8	7.2	7.5	7.2	7.2	6.8	7.5	7.5	7.5	7.5
19 <i>C. vicina</i> <sup>*e)</sup>	4.6	3.9	4.2	7.8	7.8	8.1	8.1	8.1	8.1	8.1	8.1	8.5	8.5	8.1	8.1	9.8	6.8	6.8	7.2	6.5	6.5	6.5	7.2	7.2	7.2	7.2
20 <i>C. vicina</i> <sup>*f)</sup>	4.2	3.6	3.9	8.1	8.1	8.5	8.5	8.5	8.5	8.5	8.8	8.8	8.5	8.5	8.5	10.1	7.2	7.2	7.5	6.8	6.8	6.8	7.5	7.5	7.5	7.5
21 <i>C. vicina</i> <sup>*g)</sup>	4.2	3.6	3.9	7.8	7.8	8.1	8.1	8.1	8.1	8.8	8.8	8.5	9.1	8.8	8.8	10.7	7.8	7.2	7.5	7.2	7.2	6.8	7.5	7.5	7.5	7.5
22 <i>C. vicina</i> <sup>*h)</sup>	3.9	3.3	3.6	8.1	8.1	8.5	8.5	8.5	8.5	8.5	8.5	8.8	8.1	7.8	7.8	9.4	6.8	6.8	7.2	6.5	6.5	6.5	7.2	7.2	7.2	7.2
23 <i>C. vicina</i> <sup>*i)</sup>	4.2	3.6	3.9	8.1	8.1	8.5	8.5	8.5	8.5	8.1	9.1	8.8	9.1	8.8	8.8	10.7	7.8	7.2	7.5	7.2	7.2	6.8	7.5	7.5	7.5	7.5
24 <i>C. vomitoria</i> <sup>#)</sup>	0.3	0.3	0.7	7.8	7.8	8.1	8.1	8.1	8.1	9.8	8.8	8.5	8.5	8.1	8.1	9.8	6.2	5.5	5.9	5.9	5.9	5.5	5.9	6.2	6.2	6.2
25 <i>C. vomitoria</i> <sup>*a)</sup>	0.3	0.3	0.7	7.8	7.8	8.1	8.1	8.1	8.1	9.8	8.8	8.5	8.5	8.1	8.1	9.8	6.2	5.5	5.9	5.9	5.9	5.5	5.9	6.2	6.2	6.2

<sup>a)</sup>Haplotype HI; <sup>b)</sup>Haplotype HII; <sup>c)</sup>Haplotype HIII; <sup>d)</sup>Haplotype HIV; <sup>e)</sup>Haplotype HV; <sup>f)</sup>Haplotype HVI; <sup>g)</sup>Haplotype HVII; <sup>h)</sup>Haplotype HVIII; <sup>i)</sup>Haplotype HIX.

**Table S26.** (Continued)

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
26 <i>C. vomitoria</i> <sup>(*)b</sup>	—	0.7	1.0	7.8	7.8	8.1	8.1	8.1	8.1	9.8	8.8	8.5	8.5	8.1	8.1	10.1	6.2	5.5	5.9	5.9	5.9	5.5	5.9	6.2	6.2	
27 <i>C. vomitoria</i> <sup>(*)c</sup>	2	—	0.3	8.1	8.1	8.5	8.5	8.5	8.5	10.1	9.1	8.8	8.1	7.8	7.8	9.4	5.9	5.2	5.5	5.5	5.5	5.2	5.5	5.9	5.9	
28 <i>C. vomitoria</i> <sup>(*)d</sup>	3	1	—	8.5	8.5	8.8	8.8	8.8	8.8	10.4	9.4	9.1	8.5	8.1	8.1	9.1	6.2	5.5	5.9	5.9	5.9	5.5	5.9	6.2	6.2	
29 <i>L. sericata</i> <sup>(*)a</sup>	24	25	26	—	0.0	0.7	0.3	0.3	0.3	3.6	1.0	0.7	7.5	7.2	7.2	8.8	5.5	4.9	5.2	5.2	5.2	5.2	5.2	4.9	4.9	
30 <i>L. sericata</i> <sup>(*)a</sup>	24	25	26	0	—	0.7	0.3	0.3	0.3	3.6	1.0	0.7	7.5	7.2	7.2	8.8	5.5	4.9	5.2	5.2	5.2	5.2	5.2	4.9	4.9	
31 <i>L. sericata</i> <sup>(*)b</sup>	25	26	27	2	2	—	1.0	1.0	1.0	4.2	1.6	1.3	7.5	7.2	7.2	9.4	6.2	5.5	5.9	5.9	5.9	5.9	5.9	5.5	5.5	
32 <i>L. sericata</i> <sup>(*)c</sup>	25	26	27	1	1	3	—	0.7	0.7	3.6	1.3	1.0	7.8	7.5	7.5	9.1	5.9	5.2	5.5	5.5	5.5	5.5	5.5	5.2	5.2	
33 <i>L. sericata</i> <sup>(*)d</sup>	25	26	27	1	1	3	2	—	0.7	3.9	1.3	1.0	7.8	7.5	7.5	9.1	5.9	5.2	5.5	5.5	5.5	5.5	5.5	5.2	5.2	
34 <i>L. sericata</i> <sup>(*)e</sup>	25	26	27	1	1	3	2	2	—	3.9	1.3	1.0	7.8	7.5	7.5	9.1	5.9	5.2	5.5	5.5	5.5	5.5	5.5	5.2	5.2	
35 <i>L. cuprina</i> <sup>(*)a</sup>	30	31	32	11	11	13	11	12	12	—	4.2	4.2	8.1	7.8	7.8	9.8	7.2	6.8	7.2	7.2	7.2	7.2	7.2	6.8	6.8	
36 <i>L. cuprina</i> <sup>(*)b</sup>	27	28	29	3	3	5	4	4	4	13	—	0.3	8.1	7.8	7.8	9.1	5.9	5.9	6.2	5.9	5.9	6.2	6.2	5.9	5.9	
37 <i>L. cuprina</i> <sup>(*)c</sup>	26	27	28	2	2	4	3	3	3	13	1	—	8.1	7.8	7.8	9.4	6.2	5.5	5.9	5.9	5.9	5.9	5.9	5.5	5.5	
38 <i>L. ampullacea</i> <sup>(*)a</sup>	26	25	26	23	23	23	24	24	24	25	25	—	0.3	0.3	6.5	3.9	4.2	3.9	4.2	3.9	4.2	4.2	4.9	3.9	4.6	4.6
39 <i>L. ampullacea</i> <sup>(*)b</sup>	25	24	25	22	22	22	23	23	23	24	24	24	1	—	0.0	6.2	3.6	3.9	3.6	3.9	3.9	4.6	3.6	4.2	4.2	
40 <i>L. ampullacea</i> <sup>(*)b</sup>	25	24	25	22	22	22	23	23	23	24	24	24	1	0	—	6.2	3.6	3.9	3.6	3.9	3.9	4.6	3.6	4.2	4.2	
41 <i>L. porphyrina</i> <sup>(*)a</sup>	31	29	28	27	27	29	28	28	28	30	28	29	20	19	19	—	6.5	7.2	6.8	6.2	6.2	6.8	6.8	6.2	6.2	
42 <i>L. caesar</i> <sup>(*)a</sup>	19	18	19	17	17	19	18	18	18	22	18	19	12	11	11	20	—	0.7	0.3	0.3	0.3	1.3	0.3	1.0	1.0	
43 <i>L. caesar</i> <sup>(*)b</sup>	17	16	17	15	15	17	16	16	16	21	18	17	13	12	12	22	2	—	0.3	0.7	0.7	0.3	1.0	1.0	1.0	
44 <i>L. caesar</i> <sup>(*)c</sup>	18	17	18	16	16	18	17	17	17	22	19	18	12	11	11	21	1	1	—	0.3	0.3	1.0	0.0	0.7	0.7	
45 <i>L. caesar</i> <sup>(*)d</sup>	18	17	18	16	16	18	17	17	17	22	18	18	13	12	12	19	1	2	1	—	0.0	0.3	0.3	0.3	0.3	
46 <i>L. caesar</i> <sup>(*)d</sup>	18	17	18	16	16	18	17	17	17	22	18	18	13	12	12	19	1	2	1	0	—	0.3	0.3	0.3	0.3	
47 <i>L. caesar</i> <sup>(*)e</sup>	17	16	17	16	16	18	17	17	17	22	19	18	15	14	14	21	4	2	3	1	1	—	1.0	1.0	1.0	
48 <i>L. illustris</i> <sup>(*)a</sup>	18	17	18	16	16	18	17	17	17	22	19	18	12	11	11	21	1	1	0	1	1	3	—	0.7	0.7	
49 <i>L. illustris</i> <sup>(*)b</sup>	19	18	19	15	15	17	16	16	16	21	18	17	14	13	13	19	3	3	2	1	1	3	2	—	0.0	
50 <i>L. illustris</i> <sup>(*)b</sup>	19	18	19	15	15	17	16	16	16	21	18	17	14	13	13	19	3	3	2	1	1	3	2	0	—	

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX.

**Table S27.** Pairwise sequence divergence between the studied Calliphoridae (*Ch. albiceps*\*, *C. vicina*\*, *C. vomitoria*\*, *L. sericata*\*, *L. ampullacea*\*, *L. caesar*\* and *L. illustris*\*) haplotypes for the COI barcode-Cyt-b (965 bp). GenBank database sequences for the same and other Calliphoridae species were included for comparison purposes. The brackets in the superscript indicate more than one sequence with same haplotype (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1 <i>Ch. albiceps</i> <sup>(a)</sup>	—	0.1	0.1	0.2	0.2	0.2	6.8	6.3	6.2	6.4	6.1	3.7	3.8	7.7	9.1	8.9	8.8	8.9	9.1	9.1	9.0	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.0	9.1
2 <i>Ch. albiceps</i> <sup>(b)</sup>	1	—	0.2	0.3	0.3	0.3	6.9	6.4	6.3	6.5	6.2	3.8	3.9	7.8	9.2	9.0	8.9	9.0	9.2	9.2	9.1	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.1	9.2
3 <i>Ch. albiceps</i> <sup>(c)</sup>	1	2	—	0.3	0.1	0.3	6.8	6.3	6.2	6.4	6.2	3.8	3.9	7.7	9.1	8.9	8.8	8.9	9.1	9.1	9.0	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.0	9.1
4 <i>Ch. albiceps</i> <sup>(d)</sup>	2	3	3	—	0.4	0.2	7.0	6.5	6.4	6.6	6.3	3.7	3.8	7.9	9.2	9.0	8.9	9.0	9.2	9.2	9.1	9.3	9.3	9.3	9.3	9.3	9.3	9.1	9.2	
5 <i>Ch. albiceps</i> <sup>(e)</sup>	2	3	1	4	—	0.4	6.9	6.4	6.3	6.5	6.3	3.9	4.0	7.8	9.2	9.0	8.9	9.0	9.2	9.2	9.1	9.3	9.3	9.3	9.3	9.3	9.3	9.1	9.2	
6 <i>Ch. albiceps</i> <sup>(a)</sup>	2	3	3	2	4	—	6.8	6.5	6.4	6.6	6.3	3.4	3.6	7.7	9.0	8.8	8.7	8.8	9.1	9.1	9.0	9.2	9.2	9.2	9.2	9.2	9.2	9.0	9.1	
7 <i>Ch. bezziana</i> <sup>(a)</sup>	66	67	66	68	67	66	—	4.6	4.5	4.5	5.4	7.8	7.9	7.2	8.7	8.6	8.5	8.6	8.7	8.7	8.6	8.8	8.8	8.8	8.8	8.8	8.6	8.8	8.7	
8 <i>Ch. megacephala</i> <sup>(a)</sup>	61	62	61	63	62	63	44	—	0.1	0.5	4.8	7.5	7.6	6.4	8.1	8.0	7.9	8.0	8.4	8.4	8.3	8.5	8.5	8.3	8.5	8.5	8.5	8.3	8.3	8.4
9 <i>Ch. megacephala</i> <sup>(b)</sup>	60	61	60	62	61	62	43	1	—	0.4	4.7	7.4	7.5	6.3	8.0	7.9	7.8	7.9	8.3	8.3	8.2	8.4	8.4	8.2	8.4	8.4	8.4	8.2	8.2	8.3
10 <i>Ch. megacephala</i> <sup>(c)</sup>	62	63	62	64	63	64	43	5	4	—	4.5	7.6	7.7	6.3	8.0	7.9	7.8	7.9	8.3	8.3	8.2	8.4	8.4	8.2	8.4	8.4	8.4	8.2	8.2	8.3
11 <i>Ch. putoria</i> <sup>(a)</sup>	59	60	60	61	61	61	52	46	45	43	—	6.8	6.9	7.4	8.1	7.9	7.8	7.9	8.3	8.3	8.2	8.2	8.4	8.4	8.4	8.4	8.4	8.2	8.4	8.3
12 <i>Ch. ruffifacies</i> <sup>(a)</sup>	36	37	37	36	38	33	75	72	71	73	66	—	0.3	8.3	9.1	8.9	8.8	8.9	9.6	9.6	9.5	9.7	9.7	9.7	9.5	9.7	9.7	9.5	9.8	
13 <i>Ch. ruffifacies</i> <sup>(b)</sup>	37	38	38	37	39	35	76	73	72	74	67	3	—	8.4	9.0	8.8	8.7	8.8	9.7	9.7	9.6	9.8	9.8	9.6	9.8	9.8	9.8	9.6	9.9	
14 <i>Pr. terraenovae</i> <sup>(a)</sup>	74	75	74	76	75	74	69	62	61	61	71	80	81	—	8.0	7.9	7.8	7.9	9.5	9.5	9.4	9.4	9.6	9.6	9.6	9.6	9.4	9.6	9.4	9.5
15 <i>P. regina</i> <sup>(a)</sup>	88	89	88	89	89	87	84	78	77	77	78	88	87	77	—	0.2	0.3	0.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.3	9.4
16 <i>P. regina</i> <sup>(b)</sup>	86	87	86	87	87	85	83	77	76	76	76	86	85	76	2	—	0.1	0.2	9.3	9.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.2	9.3	
17 <i>P. regina</i> <sup>(c)</sup>	85	86	85	86	86	84	82	76	75	75	75	85	84	75	3	1	—	0.1	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.3	9.4	
18 <i>P. regina</i> <sup>(d)</sup>	86	87	86	87	87	85	83	77	76	76	76	86	85	76	4	2	1	—	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.4	9.5	
19 <i>C. vicina</i> <sup>(a)</sup>	88	89	88	89	89	88	84	81	80	80	80	93	94	92	91	90	91	92	—	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
20 <i>C. vicina</i> <sup>(a)</sup>	88	89	88	89	89	88	84	81	80	80	80	93	94	92	91	90	91	92	0	—	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
21 <i>C. vicina</i> <sup>(b)</sup>	87	88	87	88	88	87	83	80	79	79	79	92	93	91	92	91	92	93	1	1	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
22 <i>C. vicina</i> <sup>(c)</sup>	89	90	89	90	90	89	85	82	81	81	79	94	95	91	92	91	92	93	1	1	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
23 <i>C. vicina</i> <sup>(d)</sup>	89	90	89	90	90	89	85	82	81	81	81	94	95	93	92	91	92	93	1	1	2	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.3
24 <i>C. vicina</i> <sup>(e)</sup>	89	90	89	90	90	89	85	80	79	79	81	94	95	93	92	91	92	93	1	1	2	2	2	—	0.2	0.2	0.2	0.2	0.2	0.3
25 <i>C. vicina</i> <sup>(f)</sup>	89	90	89	90	90	89	85	82	81	81	81	92	93	93	92	91	92	93	1	1	2	2	2	2	—	0.2	0.2	0.2	0.2	0.3
26 <i>C. vicina</i> <sup>(g)</sup>	89	90	89	90	90	89	85	82	81	81	81	94	95	93	92	91	92	93	1	1	2	2	2	2	2	—	0.2	0.2	0.2	0.3
27 <i>C. vicina</i> <sup>(h)</sup>	89	90	89	90	90	89	85	82	81	81	81	94	95	91	92	91	92	93	1	1	2	2	2	2	2	2	—	0.2	0.2	0.3
28 <i>C. vicina</i> <sup>(i)</sup>	89	90	89	90	90	89	83	80	79	79	79	94	95	93	92	91	92	93	1	1	2	2	2	2	2	2	2	—	0.2	0.3
29 <i>C. vicina</i> <sup>(j)</sup>	87	88	87	88	88	87	85	80	79	79	81	92	93	91	90	89	90	91	1	1	2	2	2	2	2	2	2	2	—	0.3
30 <i>C. vicina</i> <sup>(k)</sup>	88	89	88	89	89	88	84	81	80	80	80	95	96	92	91	90	91	92	2	2	3	3	3	3	3	3	3	3	3	—

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII.

Table S27. (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
31 <i>C. vicina</i> <sup>a1</sup>	86	87	86	87	87	86	84	79	78	78	80	91	92	90	91	90	91	92	2	2	1	3	3	3	3	3	3	3	3	1	4
32 <i>C. vicina</i> <sup>a2m</sup>	88	89	88	89	89	88	86	81	80	80	80	93	94	90	91	90	91	92	2	2	3	1	3	3	3	3	3	3	3	1	4
33 <i>C. vicina</i> <sup>a3n</sup>	88	89	88	89	89	88	86	81	80	80	81	93	94	91	91	90	91	92	2	2	3	2	3	3	3	3	3	3	1	4	
34 <i>C. vicina</i> <sup>a4o</sup>	88	89	88	89	89	88	84	79	78	78	80	93	94	92	91	90	91	92	2	2	3	3	3	3	3	3	3	1	1	4	
35 <i>C. vicina</i> <sup>a5p</sup>	88	89	88	89	89	88	86	81	80	80	82	91	92	92	91	90	91	92	2	2	3	3	3	3	3	3	3	3	1	4	
36 <i>C. vicina</i> <sup>a6q</sup>	88	89	88	89	89	88	86	81	80	80	82	93	94	92	91	90	91	92	2	2	3	3	3	3	3	3	3	3	1	4	
37 <i>C. vicina</i> <sup>a7r</sup>	88	89	88	89	89	88	86	81	80	80	82	93	94	92	91	90	91	92	2	2	3	3	3	3	3	3	3	3	1	4	
38 <i>C. vicina</i> <sup>a8s</sup>	88	89	88	89	89	88	86	81	80	80	82	93	94	92	91	90	91	92	2	2	3	3	3	3	3	3	3	3	1	4	
39 <i>C. vicina</i> <sup>a9t</sup>	88	89	88	89	89	88	86	79	78	78	82	93	94	92	91	90	91	92	2	2	3	3	3	3	3	3	3	3	1	4	
40 <i>C. vicina</i> <sup>a10u</sup>	89	90	89	90	90	89	84	82	81	81	80	94	95	92	94	93	94	95	3	3	1	3	4	4	4	4	4	4	4	4	5
41 <i>C. vicina</i> <sup>a11v</sup>	89	90	89	90	90	89	87	82	81	81	83	94	95	92	92	91	92	93	3	3	4	4	4	4	4	4	4	4	2	5	
42 <i>C. vicina</i> <sup>a12w</sup>	89	90	89	90	90	89	85	80	79	79	81	94	95	93	92	91	92	93	3	3	4	4	4	4	4	4	4	4	2	5	
43 <i>C. vicina</i> <sup>a13x</sup>	89	90	89	90	90	89	87	82	81	81	83	92	93	93	92	91	92	93	3	3	4	4	4	4	2	4	4	4	2	5	
44 <i>C. vicina</i> <sup>a14y</sup>	87	88	87	88	88	87	85	80	79	79	81	92	93	91	92	91	92	93	3	3	2	4	4	4	4	4	4	4	2	5	
45 <i>C. vicina</i> <sup>a15z</sup>	89	90	89	90	90	89	87	82	81	81	83	94	95	93	90	89	90	91	3	3	4	4	4	4	4	4	4	4	2	5	
46 <i>C. vicina</i> <sup>a16aa</sup>	88	89	88	89	89	88	86	79	78	78	81	93	94	89	91	90	91	92	4	4	5	4	5	5	5	5	5	5	3	6	
47 <i>C. vicina</i> <sup>a17ab</sup>	89	90	89	90	90	89	87	80	79	79	82	94	95	90	92	91	92	93	5	5	6	5	6	6	6	6	6	6	4	7	
48 <i>C. vomitoria</i> <sup>a</sup>	92	93	92	93	93	94	84	80	79	79	81	93	94	100	97	96	97	98	39	39	38	40	40	40	38	40	38	38	40	39	
49 <i>C. vomitoria</i> <sup>a18a</sup>	92	93	92	93	93	94	84	80	79	79	81	93	94	100	97	96	97	98	39	39	38	40	40	40	38	40	38	38	40	39	
50 <i>C. vomitoria</i> <sup>a19b</sup>	93	94	93	94	94	95	85	81	80	80	82	94	95	101	97	96	97	98	40	40	39	41	41	41	39	41	39	39	41	40	
51 <i>C. vomitoria</i> <sup>a20c</sup>	93	94	93	94	94	93	83	81	80	80	82	92	93	99	96	95	96	97	38	38	37	39	39	39	37	39	37	37	39	38	
52 <i>C. vomitoria</i> <sup>a21d</sup>	93	94	93	94	94	95	85	81	80	80	82	94	95	101	98	97	98	99	40	40	39	41	41	41	39	41	39	39	41	40	
53 <i>C. vomitoria</i> <sup>a22e</sup>	93	94	93	94	94	95	83	79	78	78	82	96	97	99	96	95	96	97	40	40	39	41	41	41	41	41	39	39	41	40	
54 <i>C. vomitoria</i> <sup>a23f</sup>	94	95	94	95	95	94	82	80	79	79	83	95	96	98	95	94	95	96	39	39	38	40	40	40	40	40	38	38	40	39	
55 <i>C. vomitoria</i> <sup>a24g</sup>	94	95	94	95	95	94	84	80	79	79	85	96	97	99	97	96	97	98	40	40	39	41	41	41	41	41	39	39	41	40	
56 <i>L. sericata</i> <sup>a25h</sup>	92	93	92	93	93	94	88	83	82	82	87	99	100	90	91	89	88	89	66	66	65	67	67	67	65	67	67	67	67	66	
57 <i>L. sericata</i> <sup>a26i</sup>	92	93	92	93	93	94	88	83	82	82	87	99	100	90	91	89	88	89	66	66	65	67	67	67	65	67	67	67	67	66	
58 <i>L. sericata</i> <sup>a27j</sup>	93	94	93	94	94	95	89	84	83	83	88	100	101	91	92	90	89	90	67	67	66	68	68	68	66	68	68	68	68	67	
59 <i>L. sericata</i> <sup>a28k</sup>	93	94	93	94	94	95	89	82	81	81	88	100	101	91	92	90	89	90	67	67	66	68	68	68	66	68	68	68	68	67	
60 <i>L. sericata</i> <sup>a29l</sup>	93	94	93	94	94	95	89	84	83	83	88	100	101	91	92	90	89	90	67	67	66	68	68	68	66	68	68	68	68	67	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII.

Table S27. (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
61 <i>L. sericata</i> <sup>a</sup>	93	94	93	94	94	95	89	84	83	83	88	100	101	91	92	90	89	90	67	67	66	68	68	68	66	68	68	68	67	
62 <i>L. sericata</i> <sup>f</sup>	91	92	91	92	92	93	87	82	81	83	88	98	99	91	92	90	89	90	67	67	66	68	68	68	66	68	68	68	67	
63 <i>L. sericata</i> <sup>g</sup>	92	93	92	93	93	94	90	85	84	84	89	99	100	92	93	91	90	91	67	67	66	68	68	68	66	68	68	68	67	
64 <i>L. sericata</i> <sup>h</sup>	93	94	93	94	94	95	89	82	81	81	88	100	101	91	92	90	89	90	68	68	67	69	69	69	67	69	69	69	68	
65 <i>L. sericata</i> <sup>i</sup>	94	95	94	95	95	96	90	85	84	84	89	101	102	92	91	89	88	89	68	68	67	69	69	69	67	69	69	69	68	
66 <i>L. sericata</i> <sup>j</sup>	94	95	94	95	95	96	90	83	82	84	88	101	102	92	93	91	90	91	68	68	67	69	69	69	67	69	69	69	68	
67 <i>L. sericata</i> <sup>k</sup>	93	94	93	94	94	95	89	84	83	83	88	100	101	89	92	90	89	90	67	67	66	68	68	68	66	68	66	68	67	
68 <i>L. cuprina</i> <sup>l</sup>	94	95	94	95	95	96	91	86	85	87	95	97	98	94	104	102	101	102	70	70	69	69	71	69	69	71	71	71	72	
69 <i>L. cuprina</i> <sup>m</sup>	96	97	96	97	97	98	93	86	85	85	89	103	104	92	93	91	90	91	73	73	72	73	74	74	72	74	74	74	72	73
70 <i>L. cuprina</i> <sup>n</sup>	92	93	92	93	93	94	89	84	83	85	94	97	98	93	103	101	100	101	69	69	68	68	70	68	70	70	70	70	71	
71 <i>L. cuprina</i> <sup>o</sup>	95	96	95	96	96	97	92	85	84	84	89	102	103	92	92	90	89	90	72	72	71	73	73	71	73	73	73	71	72	
72 <i>L. ampullacea</i> <sup>p</sup>	102	103	102	103	103	102	96	88	87	87	98	100	101	96	97	96	97	98	73	73	71	72	74	74	74	74	74	74	74	73
73 <i>L. ampullacea</i> <sup>q</sup>	102	103	102	103	103	102	96	88	87	87	98	100	101	96	97	96	97	98	73	73	71	72	74	74	74	74	74	74	74	73
74 <i>L. ampullacea</i> <sup>r</sup>	103	104	103	104	104	103	97	89	88	88	99	101	102	97	98	97	98	99	74	74	72	73	75	75	75	75	75	75	75	74
75 <i>L. porphyrida</i> <sup>s</sup>	103	104	103	104	104	103	101	98	97	95	106	109	112	99	106	104	103	102	90	90	88	90	91	91	91	91	91	89	89	90
76 <i>L. caesar</i> <sup>t</sup>	84	85	84	85	85	84	78	76	75	75	85	90	91	88	87	86	87	88	62	62	61	62	63	63	63	63	63	61	61	62
77 <i>L. caesar</i> <sup>u</sup>	82	83	82	83	83	82	76	74	73	73	84	88	89	89	87	86	87	88	60	60	59	61	61	61	61	61	61	59	59	60
78 <i>L. caesar</i> <sup>v</sup>	84	85	84	85	85	84	78	75	74	74	86	90	91	87	88	87	88	89	60	60	59	61	61	61	61	61	61	59	59	60
79 <i>L. caesar</i> <sup>w</sup>	86	87	86	87	87	86	78	78	77	77	85	94	93	92	87	86	87	88	64	64	63	64	65	65	65	65	65	63	65	64
80 <i>L. caesar</i> <sup>x</sup>	86	87	86	87	87	86	78	78	77	77	86	92	91	91	87	86	87	88	62	62	61	63	63	63	63	63	63	61	63	62
81 <i>L. caesar</i> <sup>y</sup>	89	90	89	90	90	89	79	79	78	78	86	95	94	91	90	89	90	91	65	65	64	65	66	66	66	66	66	64	66	65
82 <i>L. caesar</i> <sup>z</sup>	87	88	87	88	88	87	79	77	76	76	87	91	90	92	90	89	90	91	65	65	64	66	66	66	66	66	66	64	66	65
83 <i>L. caesar</i> <sup>aa</sup>	87	88	87	88	88	87	79	78	77	77	87	93	92	92	91	90	91	92	61	61	60	62	62	62	62	62	62	60	62	61
84 <i>L. caesar</i> <sup>ab</sup>	86	87	86	87	87	86	78	77	76	76	86	94	93	91	87	86	87	88	62	62	61	63	63	63	63	63	63	61	63	62
85 <i>L. illustris</i> <sup>ac</sup>	84	85	84	85	85	84	76	76	75	75	84	90	91	89	87	86	87	88	60	60	59	61	61	61	61	61	61	59	61	60
86 <i>L. illustris</i> <sup>ad</sup>	87	88	87	88	88	87	83	78	77	77	89	95	96	92	89	88	89	90	65	65	64	66	66	66	66	66	66	64	64	65
87 <i>L. illustris</i> <sup>ae</sup>	86	87	86	87	87	86	82	77	76	76	88	94	95	91	88	87	88	89	64	64	63	65	65	65	65	65	65	63	63	64

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII.

Table S27. (Continued)

		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
1	<i>Ch. albiceps</i> <sup>(a)</sup>	8.9	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.0	9.2	9.1	9.2	9.5	9.5	9.6	9.6	9.6	9.6	9.7	9.7	9.5	9.5	9.6	9.6	9.6	
2	<i>Ch. albiceps</i> <sup>(b)</sup>	9.0	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.1	9.3	9.2	9.3	9.6	9.6	9.7	9.7	9.7	9.7	9.8	9.8	9.6	9.6	9.7	9.7	9.7	
3	<i>Ch. albiceps</i> <sup>(c)</sup>	8.9	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.0	9.2	9.1	9.2	9.5	9.5	9.6	9.6	9.6	9.6	9.7	9.7	9.5	9.5	9.6	9.6	9.6	
4	<i>Ch. albiceps</i> <sup>(d)</sup>	9.0	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.1	9.3	9.2	9.3	9.6	9.6	9.7	9.7	9.7	9.7	9.8	9.8	9.6	9.6	9.7	9.7	9.7	
5	<i>Ch. albiceps</i> <sup>(e)</sup>	9.0	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.1	9.3	9.2	9.3	9.6	9.6	9.7	9.7	9.7	9.7	9.8	9.8	9.6	9.6	9.7	9.7	9.7	
6	<i>Ch. albiceps</i> <sup>(f)</sup>	8.9	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.0	9.2	9.1	9.2	9.7	9.7	9.8	9.6	9.8	9.8	9.7	9.7	9.7	9.7	9.8	9.8	9.8	
7	<i>Ch. bezziana</i> <sup>(a)</sup>	8.7	8.9	8.9	8.7	8.9	8.9	8.9	8.9	8.9	8.7	9.0	8.8	9.0	8.8	9.0	8.9	9.0	8.7	8.7	8.8	8.6	8.8	8.6	8.5	8.7	9.1	9.1	9.2	9.2	9.2	
8	<i>Ch. megacephala</i> <sup>(a)</sup>	8.2	8.4	8.4	8.2	8.4	8.4	8.4	8.4	8.2	8.5	8.5	8.3	8.5	8.3	8.5	8.2	8.3	8.3	8.3	8.4	8.4	8.4	8.2	8.3	8.3	8.6	8.6	8.7	8.5	8.7	
9	<i>Ch. megacephala</i> <sup>(b)</sup>	8.1	8.3	8.3	8.1	8.3	8.3	8.3	8.3	8.1	8.4	8.4	8.2	8.4	8.2	8.4	8.1	8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.1	8.2	8.2	8.5	8.5	8.6	8.4	8.6
10	<i>Ch. megacephala</i> <sup>(c)</sup>	8.1	8.3	8.3	8.1	8.3	8.3	8.3	8.3	8.1	8.4	8.4	8.2	8.4	8.2	8.4	8.1	8.2	8.2	8.2	8.3	8.3	8.3	8.1	8.2	8.2	8.5	8.5	8.6	8.4	8.6	
11	<i>Ch. putoria</i> <sup>(a)</sup>	8.3	8.3	8.4	8.3	8.5	8.5	8.5	8.5	8.5	8.3	8.6	8.4	8.6	8.4	8.6	8.4	8.5	8.4	8.5	8.5	8.5	8.5	8.6	8.8	9.0	9.0	9.1	9.1	9.1	9.1	
12	<i>Ch. rufifacies</i> <sup>(a)</sup>	9.4	9.6	9.6	9.6	9.4	9.6	9.6	9.6	9.6	9.7	9.7	9.7	9.5	9.5	9.7	9.6	9.7	9.6	9.6	9.7	9.5	9.7	9.9	9.8	9.9	10.3	10.3	10.4	10.4	10.4	
13	<i>Ch. rufifacies</i> <sup>(b)</sup>	9.5	9.7	9.7	9.7	9.5	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.6	9.6	9.8	9.7	9.8	9.7	9.7	9.8	9.6	9.8	10.1	9.9	10.1	10.4	10.4	10.5	10.5	10.5	
14	<i>Pr. terraenovae</i> <sup>(a)</sup>	9.3	9.3	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.6	9.6	9.4	9.6	9.2	9.3	10.4	10.4	10.5	10.3	10.5	10.3	10.2	10.3	9.3	9.3	9.4	9.4	9.4	
15	<i>P. regina</i> <sup>(a)</sup>	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.7	9.5	9.5	9.5	9.5	9.3	9.4	9.5	10.1	10.1	10.1	9.9	10.2	9.9	9.8	10.1	9.4	9.4	9.5	9.5	9.5	
16	<i>P. regina</i> <sup>(b)</sup>	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.6	9.4	9.4	9.4	9.4	9.2	9.3	9.4	9.9	9.9	9.9	9.8	10.1	9.8	9.7	9.9	9.2	9.2	9.3	9.3	9.3	
17	<i>P. regina</i> <sup>(c)</sup>	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.7	9.5	9.5	9.5	9.5	9.3	9.4	9.5	10.1	10.1	10.1	9.9	10.2	9.9	9.8	10.1	9.1	9.1	9.2	9.2	9.2	
18	<i>P. regina</i> <sup>(d)</sup>	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.8	9.6	9.6	9.6	9.6	9.4	9.5	9.6	10.2	10.2	10.2	10.1	10.3	10.1	9.9	10.2	9.2	9.3	9.3	9.3	9.3	
19	<i>C. vicina</i> <sup>(a)</sup>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	4.0	4.0	4.1	3.9	4.1	4.1	4.0	4.1	6.8	6.8	6.9	6.9	6.9	
20	<i>C. vicina</i> <sup>(b)</sup>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	4.0	4.0	4.1	3.9	4.1	4.1	4.0	4.1	6.8	6.8	6.9	6.9	6.9	
21	<i>C. vicina</i> <sup>(c)</sup>	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.4	0.4	0.4	0.2	0.4	0.5	0.6	3.9	3.9	4.0	3.8	4.0	4.0	3.9	4.0	6.7	6.7	6.8	6.8	6.8	
22	<i>C. vicina</i> <sup>(d)</sup>	0.3	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	4.1	4.1	4.2	4.0	4.2	4.2	4.1	4.2	6.9	6.9	7.0	7.0	7.0	
23	<i>C. vicina</i> <sup>(e)</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	4.1	4.1	4.2	4.0	4.2	4.2	4.1	4.2	6.9	6.9	7.0	7.0	7.0	
24	<i>C. vicina</i> <sup>(f)</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	4.1	4.1	4.2	4.0	4.2	4.2	4.1	4.2	6.9	6.9	7.0	7.0	7.0	
25	<i>C. vicina</i> <sup>(g)</sup>	0.3	0.3	0.3	0.3	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.2	0.4	0.4	0.5	0.6	3.9	3.9	4.0	3.8	4.0	4.2	4.1	4.2	6.7	6.7	6.8	6.8	6.8	
26	<i>C. vicina</i> <sup>(h)</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	4.1	4.1	4.2	4.0	4.2	4.2	4.1	4.2	6.9	6.9	7.0	7.0	7.0	
27	<i>C. vicina</i> <sup>(i)</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	3.9	3.9	4.0	3.8	4.0	4.0	3.9	4.0	6.9	6.9	7.0	7.0	7.0	
28	<i>C. vicina</i> <sup>(j)</sup>	0.3	0.3	0.3	0.1	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.2	0.4	0.4	0.4	0.5	0.6	3.9	3.9	4.0	3.8	4.0	4.0	3.9	4.0	6.9	6.9	7.0	7.0	7.0	
29	<i>C. vicina</i> <sup>(k)</sup>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.2	0.3	0.4	4.1	4.1	4.2	4.0	4.2	4.2	4.1	4.2	6.9	6.9	7.0	7.0	7.0		
30	<i>C. vicina</i> <sup>(l)</sup>	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	4.0	4.0	4.1	3.9	4.1	4.1	4.0	4.1	6.8	6.8	6.9	6.9	6.9	

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX; <sup>j</sup>Haplotype HX; <sup>k</sup>Haplotype HXI; <sup>l</sup>Haplotype HXII; <sup>m</sup>Haplotype HXIII; <sup>n</sup>Haplotype HXIV; <sup>o</sup>Haplotype HXV; <sup>p</sup>Haplotype HXVI; <sup>q</sup>Haplotype HXVII; <sup>r</sup>Haplotype HXVIII; <sup>s</sup>Haplotype HXIX; <sup>t</sup>Haplotype HXX; <sup>u</sup>Haplotype HXXI; <sup>v</sup>Haplotype HXXII; <sup>w</sup>Haplotype HXXIII; <sup>x</sup>Haplotype HXXIV; <sup>y</sup>Haplotype HXXV; <sup>z</sup>Haplotype HXXVI; <sup>aa</sup>Haplotype HXXVII; <sup>ab</sup>Haplotype HXXVIII.

Table S27. (Continued)

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
31	<i>C. vicina</i> <sup>a1</sup>	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	4.0	4.0	4.1	3.9	4.1	4.1	4.0	4.1	6.8	6.8	6.9	6.9	6.9	
32	<i>C. vicina</i> <sup>a2</sup>	2	—	0.1	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.4	4.2	4.2	4.4	4.1	4.4	4.4	4.2	4.4	7.0	7.0	7.2	7.2	7.2		
33	<i>C. vicina</i> <sup>a3</sup>	2	1	—	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	4.2	4.2	4.4	4.1	4.4	4.4	4.2	4.4	7.0	7.0	7.2	7.2	7.2		
34	<i>C. vicina</i> <sup>a4</sup>	2	2	2	—	0.2	0.2	0.2	0.2	0.5	0.3	0.1	0.3	0.3	0.3	0.4	4.0	4.0	4.1	3.9	4.1	4.1	4.0	4.1	7.0	7.0	7.2	7.2	7.2		
35	<i>C. vicina</i> <sup>a5</sup>	2	2	2	2	—	0.2	0.2	0.2	0.5	0.3	0.3	0.1	0.3	0.3	0.4	4.0	4.0	4.1	3.9	4.1	4.1	4.4	4.2	4.4	6.8	6.8	6.9	6.9		
36	<i>C. vicina</i> <sup>a6</sup>	2	2	2	2	2	—	0.2	0.2	0.5	0.3	0.3	0.3	0.3	0.3	0.4	4.2	4.2	4.4	4.1	4.4	4.4	4.2	4.4	6.9	6.9	7.0	7.0	7.0		
37	<i>C. vicina</i> <sup>a7</sup>	2	2	2	2	2	2	—	0.2	0.5	0.3	0.3	0.3	0.3	0.3	0.4	4.2	4.2	4.4	4.1	4.4	4.4	4.2	4.4	7.0	7.0	7.2	7.2	7.2		
38	<i>C. vicina</i> <sup>a8</sup>	2	2	2	2	2	2	—	0.2	0.5	0.3	0.3	0.3	0.3	0.3	0.4	4.2	4.2	4.4	4.1	4.4	4.4	4.2	4.4	7.0	7.0	7.2	7.2	7.2		
39	<i>C. vicina</i> <sup>a9</sup>	2	2	2	2	2	2	2	—	0.5	0.3	0.3	0.3	0.3	0.3	0.4	4.2	4.2	4.4	4.1	4.4	4.4	4.2	4.4	7.0	7.0	7.2	7.2	7.2		
40	<i>C. vicina</i> <sup>a10</sup>	3	4	3	5	5	5	5	5	—	0.6	0.6	0.6	0.4	0.6	0.5	4.0	4.0	4.1	3.9	4.1	4.1	4.0	4.1	6.9	6.9	7.0	7.0	7.0		
41	<i>C. vicina</i> <sup>a11</sup>	3	3	3	3	3	3	3	3	6	—	0.4	0.4	0.4	0.2	0.5	4.4	4.4	4.5	4.2	4.2	4.5	4.4	4.5	7.2	7.2	7.3	7.3	7.3		
42	<i>C. vicina</i> <sup>a12</sup>	3	3	3	1	3	3	3	3	3	6	4	—	0.4	0.4	0.5	4.2	4.0	4.2	4.2	4.1	4.2	4.0	4.2	7.0	7.0	7.2	7.2	7.2		
43	<i>C. vicina</i> <sup>a13</sup>	3	3	3	3	3	3	3	3	6	4	4	—	0.4	0.4	0.5	4.1	4.1	4.2	4.0	4.2	4.5	4.4	4.5	6.9	6.9	7.0	7.0	7.0		
44	<i>C. vicina</i> <sup>a14</sup>	1	3	3	3	3	3	3	3	4	4	4	—	0.4	0.5	0.6	4.0	4.0	4.1	3.9	4.1	4.1	4.0	4.1	6.9	6.9	7.0	7.0	7.0		
45	<i>C. vicina</i> <sup>a15</sup>	3	3	3	3	3	3	3	3	6	2	4	4	—	0.5	0.4	4.4	4.4	4.5	4.2	4.2	4.5	4.4	4.5	7.2	7.2	7.3	7.3	7.3		
46	<i>C. vicina</i> <sup>a16</sup>	4	3	2	4	4	4	4	4	5	5	5	5	—	0.1	4.5	4.5	4.6	4.4	4.6	4.6	4.5	4.6	4.5	4.6	7.0	7.0	7.2	7.2		
47	<i>C. vicina</i> <sup>a17</sup>	5	4	3	5	5	5	5	5	6	4	6	6	6	4	1	—	4.6	4.6	4.7	4.5	4.5	4.7	4.6	4.7	7.2	7.2	7.3	7.3		
48	<i>C. vomitoria</i> <sup>a18</sup>	39	41	41	39	39	41	41	41	39	42	40	40	39	42	43	44	—	0.0	0.1	0.1	0.1	0.3	0.4	0.6	6.6	6.6	6.7	6.7		
49	<i>C. vomitoria</i> <sup>a19</sup>	39	41	41	39	39	41	41	41	39	42	40	40	39	42	43	44	0	—	0.1	0.1	0.1	0.3	0.4	0.6	6.6	6.6	6.7	6.7		
50	<i>C. vomitoria</i> <sup>a20</sup>	40	42	42	40	40	42	42	42	40	43	41	41	40	43	44	45	1	1	—	0.2	0.2	0.4	0.5	0.7	6.6	6.6	6.7	6.7		
51	<i>C. vomitoria</i> <sup>a21</sup>	38	40	40	38	38	40	40	40	38	41	39	39	38	41	42	43	1	1	2	—	0.2	0.4	0.3	0.5	6.7	6.7	6.8	6.8		
52	<i>C. vomitoria</i> <sup>a22</sup>	40	42	42	40	40	42	42	42	40	41	41	41	40	41	44	43	1	1	2	2	—	0.4	0.5	0.7	6.7	6.7	6.8	6.8		
53	<i>C. vomitoria</i> <sup>a23</sup>	40	42	42	40	42	42	42	42	40	43	41	43	40	43	44	45	3	3	4	4	4	—	0.1	0.3	6.7	6.7	6.8	6.8		
54	<i>C. vomitoria</i> <sup>a24</sup>	39	41	41	39	41	41	41	41	39	42	40	42	39	42	43	44	4	4	5	3	5	1	—	0.2	6.8	6.8	6.9	6.9		
55	<i>C. vomitoria</i> <sup>a25</sup>	40	42	42	40	42	42	42	42	40	43	41	43	40	43	44	45	6	6	7	5	7	3	2	—	7.0	7.0	7.2	7.2		
56	<i>L. sericata</i> <sup>a26</sup>	66	68	68	68	66	67	68	68	68	67	69	68	67	69	68	69	64	64	64	65	65	65	66	68	—	0.0	0.1	0.1	0.1	
57	<i>L. sericata</i> <sup>a27</sup>	66	68	68	68	66	67	68	68	68	67	69	68	67	69	68	69	64	64	64	65	65	65	66	68	0	—	0.1	0.1	0.1	
58	<i>L. sericata</i> <sup>a28</sup>	67	69	69	69	67	68	69	69	69	68	70	69	68	68	70	69	70	65	65	65	66	66	66	67	69	1	1	—	0.2	0.2
59	<i>L. sericata</i> <sup>a29</sup>	67	69	69	69	67	68	69	69	69	68	70	69	68	68	70	69	70	65	65	65	66	66	66	67	69	1	1	2	—	0.2
60	<i>L. sericata</i> <sup>a30</sup>	67	69	69	69	67	68	69	69	69	68	70	69	68	68	70	69	70	65	65	65	66	66	66	67	69	1	1	2	—	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII.

Table S27. (Continued)

		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	<i>L. sericata</i> <sup>a</sup> e	67	69	69	69	67	68	69	69	69	68	70	69	68	68	70	69	70	65	65	65	66	66	66	67	69	1	1	2	2	2
62	<i>L. sericata</i> <sup>a</sup> f	67	69	69	69	67	68	69	69	69	68	70	69	68	68	70	69	70	65	65	65	66	66	66	67	69	1	1	2	2	2
63	<i>L. sericata</i> <sup>a</sup> g	67	69	69	69	67	68	69	69	69	68	70	69	68	68	70	69	70	65	65	65	66	66	66	67	69	2	2	3	3	3
64	<i>L. sericata</i> <sup>a</sup> h	68	70	70	70	68	69	70	70	70	69	71	70	69	69	71	70	71	66	66	66	67	67	67	68	70	2	2	3	1	3
65	<i>L. sericata</i> <sup>a</sup> i	68	70	70	70	68	69	70	70	70	69	71	70	69	69	71	70	71	66	66	66	67	67	67	68	70	2	2	3	3	3
66	<i>L. sericata</i> <sup>a</sup> j	68	70	70	70	68	69	70	70	70	69	71	70	69	69	71	70	71	66	66	66	67	67	67	68	70	2	2	3	3	3
67	<i>L. sericata</i> <sup>a</sup> k	67	69	69	69	67	68	69	69	69	68	70	69	68	68	70	69	70	63	63	63	64	64	64	65	67	1	1	2	2	2
68	<i>L. cuprina</i> <sup>a</sup> l	70	70	71	72	70	71	72	72	70	70	73	73	71	71	73	71	72	76	76	76	77	77	75	76	77	25	25	26	26	26
69	<i>L. cuprina</i> <sup>a</sup> m	71	72	71	73	71	72	73	73	73	72	74	73	72	72	74	71	72	71	71	71	72	72	72	73	75	7	7	8	8	8
70	<i>L. cuprina</i> <sup>a</sup> n	69	69	70	71	71	70	71	71	69	69	72	72	72	70	72	70	71	77	77	77	78	78	76	77	78	26	26	27	27	27
71	<i>L. cuprina</i> <sup>a</sup> o	70	72	72	72	70	71	72	72	72	73	73	72	71	71	73	72	73	70	70	70	71	71	71	72	74	6	6	7	7	7
72	<i>L. ampullacea</i> <sup>a</sup> p	73	73	74	75	75	74	75	75	75	71	76	76	76	74	76	74	75	76	76	76	75	77	74	73	74	60	60	61	61	61
73	<i>L. ampullacea</i> <sup>a</sup> q	73	73	74	75	75	74	75	75	75	71	76	76	76	74	76	74	75	76	76	76	75	77	74	73	74	60	60	61	61	61
74	<i>L. ampullacea</i> <sup>a</sup> r	74	74	75	76	76	75	76	76	76	72	77	77	77	75	77	75	76	77	77	77	76	78	75	74	75	61	61	62	62	62
75	<i>L. porphyrida</i> <sup>a</sup> s	88	89	88	88	90	90	90	90	90	87	91	89	91	89	91	88	89	82	82	83	81	83	80	79	79	73	73	74	74	74
76	<i>L. caesar</i> <sup>a</sup> t	60	61	60	60	62	62	62	62	62	60	63	61	63	61	63	60	61	56	56	56	55	57	54	53	54	48	48	49	49	49
77	<i>L. caesar</i> <sup>a</sup> u	58	60	60	58	60	60	60	60	60	61	59	61	59	61	60	61	54	54	54	53	55	52	51	52	46	46	47	47	47	
78	<i>L. caesar</i> <sup>a</sup> v	58	60	60	58	60	60	60	60	60	61	59	61	59	61	60	61	55	55	55	54	56	53	52	53	48	48	49	49	49	
79	<i>L. caesar</i> <sup>a</sup> w	64	65	64	64	66	66	66	66	66	62	67	65	67	65	67	64	65	56	56	56	55	57	54	53	55	48	48	49	49	49
80	<i>L. caesar</i> <sup>a</sup> x	62	64	64	62	64	64	64	64	64	62	65	63	65	63	65	64	65	56	56	56	55	57	54	53	54	48	48	49	49	49
81	<i>L. caesar</i> <sup>a</sup> y	65	66	65	65	67	67	67	67	67	63	68	66	68	66	68	65	66	59	59	59	58	60	57	56	57	49	49	50	50	50
82	<i>L. caesar</i> <sup>a</sup> z	63	65	65	63	65	65	65	65	65	65	66	64	66	64	66	65	66	59	59	59	58	60	57	56	57	49	49	50	50	50
83	<i>L. caesar</i> <sup>a</sup> aa	61	63	63	61	63	62	63	63	63	61	64	62	64	62	64	63	64	56	56	56	55	57	54	53	54	47	47	48	48	48
84	<i>L. caesar</i> <sup>a</sup> ab	62	64	63	62	64	64	64	64	64	61	65	63	65	63	65	63	64	55	55	55	54	56	53	52	54	47	47	48	48	48
85	<i>L. illustris</i> <sup>a</sup> ac	60	62	62	60	62	62	62	62	60	63	61	63	61	63	62	63	54	54	54	53	55	52	51	52	46	46	47	47	47	
86	<i>L. illustris</i> <sup>a</sup> ad	63	65	65	63	65	65	65	65	65	65	66	64	66	62	66	65	66	61	61	61	60	62	61	60	61	48	48	49	49	49
87	<i>L. illustris</i> <sup>a</sup> ae	62	64	64	62	64	64	64	64	64	64	65	63	65	61	65	64	65	60	60	60	59	61	60	59	60	47	47	48	48	48

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII.



Table S27. (Continued)

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
1 <i>Ch. albiceps</i> <sup>a</sup>	9.6	9.4	9.5	9.6	9.7	9.7	9.6	9.7	9.9	9.5	9.8	10.6	10.6	10.7	10.7	8.7	8.5	8.7	8.9	8.9	9.2	9.0	9.0	8.9	8.7	9.0	8.9
2 <i>Ch. albiceps</i> <sup>b</sup>	9.7	9.5	9.6	9.7	9.8	9.8	9.7	9.8	10.1	9.6	9.9	10.7	10.7	10.8	10.8	8.8	8.6	8.8	9.0	9.0	9.3	9.1	9.1	9.0	8.8	9.1	9.0
3 <i>Ch. albiceps</i> <sup>c</sup>	9.6	9.4	9.5	9.6	9.7	9.7	9.6	9.7	9.9	9.5	9.8	10.6	10.6	10.7	10.7	8.7	8.5	8.7	8.9	8.9	9.2	9.0	9.0	8.9	8.7	9.0	8.9
4 <i>Ch. albiceps</i> <sup>d</sup>	9.7	9.5	9.6	9.7	9.8	9.8	9.7	9.8	10.1	9.6	9.9	10.7	10.7	10.8	10.8	8.8	8.6	8.8	9.0	9.0	9.3	9.1	9.1	9.0	8.8	9.1	9.0
5 <i>Ch. albiceps</i> <sup>e</sup>	9.7	9.5	9.6	9.7	9.8	9.8	9.7	9.8	10.1	9.6	9.9	10.7	10.7	10.8	10.8	8.8	8.6	8.8	9.0	9.0	9.3	9.1	9.1	9.0	8.8	9.1	9.0
6 <i>Ch. albiceps</i> <sup>f</sup>	9.8	9.6	9.7	9.8	9.9	9.9	9.8	9.9	10.2	9.7	10.1	10.6	10.6	10.7	10.7	8.7	8.5	8.7	8.9	8.9	9.2	9.0	9.0	8.9	8.7	9.0	8.9
7 <i>Ch. bezziana</i> <sup>g</sup>	9.2	9.0	9.3	9.2	9.3	9.3	9.2	9.4	9.6	9.2	9.5	9.9	9.9	10.1	10.5	8.1	7.9	8.1	8.1	8.1	8.2	8.2	8.2	8.1	7.9	8.6	8.5
8 <i>Ch. megacephala</i> <sup>h</sup>	8.7	8.5	8.8	8.5	8.8	8.6	8.7	8.9	8.9	8.7	8.8	9.1	9.1	9.2	10.2	7.9	7.7	7.8	8.1	8.1	8.2	8.0	8.1	8.0	7.9	8.1	8.0
9 <i>Ch. megacephala</i> <sup>i</sup>	8.6	8.4	8.7	8.4	8.7	8.5	8.6	8.8	8.8	8.6	8.7	9.0	9.0	9.1	10.1	7.8	7.6	7.7	8.0	8.0	8.1	7.9	8.0	7.9	7.8	8.0	7.9
10 <i>Ch. megacephala</i> <sup>j</sup>	8.6	8.6	8.7	8.4	8.7	8.7	8.6	9.0	8.8	8.8	8.7	9.0	9.0	9.1	9.8	7.8	7.6	7.7	8.0	8.0	8.1	7.9	8.0	7.9	7.8	8.0	7.9
11 <i>Ch. putoria</i> <sup>k</sup>	9.1	9.1	9.2	9.1	9.2	9.1	9.1	9.8	9.2	9.7	9.2	10.2	10.2	10.3	11.0	8.8	8.7	8.9	8.8	8.9	8.9	9.0	9.0	8.9	8.7	9.2	9.1
12 <i>Ch. ruffiacies</i> <sup>l</sup>	10.4	10.2	10.3	10.4	10.5	10.5	10.4	10.1	10.7	10.1	10.6	10.4	10.4	10.5	11.3	9.3	9.1	9.3	9.7	9.5	9.8	9.4	9.6	9.7	9.3	9.8	9.7
13 <i>Ch. ruffiacies</i> <sup>m</sup>	10.5	10.3	10.4	10.5	10.6	10.6	10.5	10.2	10.8	10.2	10.7	10.5	10.5	10.6	11.6	9.4	9.2	9.4	9.6	9.4	9.7	9.3	9.5	9.6	9.4	9.9	9.8
14 <i>Pr. terraenovae</i> <sup>n</sup>	9.4	9.4	9.5	9.4	9.5	9.5	9.2	9.7	9.5	9.6	9.5	9.9	9.9	10.1	10.3	9.1	9.2	9.0	9.5	9.4	9.4	9.5	9.5	9.4	9.2	9.5	9.4
15 <i>P. regina</i> <sup>o</sup>	9.5	9.5	9.6	9.5	9.4	9.6	9.5	10.8	9.6	10.7	9.5	10.1	10.1	10.2	11.0	9.0	9.0	9.1	9.0	9.0	9.3	9.3	9.4	9.0	9.0	9.2	9.1
16 <i>P. regina</i> <sup>p</sup>	9.3	9.3	9.4	9.3	9.2	9.4	9.3	10.6	9.4	10.5	9.3	9.9	9.9	10.1	10.8	8.9	8.9	9.0	8.9	8.9	9.2	9.2	9.3	8.9	8.9	9.1	9.0
17 <i>P. regina</i> <sup>q</sup>	9.2	9.2	9.3	9.2	9.1	9.3	9.2	10.5	9.3	10.4	9.2	10.1	10.1	10.2	10.7	9.0	9.0	9.1	9.0	9.0	9.3	9.3	9.4	9.0	9.0	9.2	9.1
18 <i>P. regina</i> <sup>r</sup>	9.3	9.3	9.4	9.3	9.2	9.4	9.3	10.6	9.4	10.5	9.3	10.2	10.2	10.3	10.6	9.1	9.1	9.2	9.1	9.1	9.4	9.4	9.5	9.1	9.1	9.3	9.2
19 <i>C. vicina</i> <sup>s</sup>	6.9	6.9	6.9	7.0	7.0	7.0	6.9	7.3	7.6	7.2	7.5	7.6	7.6	7.7	9.3	6.4	6.2	6.2	6.6	6.4	6.7	6.7	6.3	6.4	6.2	6.7	6.6
20 <i>C. vicina</i> <sup>t</sup>	6.9	6.9	6.9	7.0	7.0	7.0	6.9	7.3	7.6	7.2	7.5	7.6	7.6	7.7	9.3	6.4	6.2	6.2	6.6	6.4	6.7	6.7	6.3	6.4	6.2	6.7	6.6
21 <i>C. vicina</i> <sup>u</sup>	6.8	6.8	6.8	6.9	6.9	6.9	6.8	7.2	7.5	7.0	7.4	7.4	7.4	7.5	9.1	6.3	6.1	6.1	6.5	6.3	6.6	6.6	6.2	6.3	6.1	6.6	6.5
22 <i>C. vicina</i> <sup>v</sup>	7.0	7.0	7.0	7.2	7.2	7.2	7.0	7.2	7.6	7.0	7.6	7.5	7.5	7.6	9.3	6.4	6.3	6.3	6.6	6.5	6.7	6.8	6.4	6.5	6.3	6.8	6.7
23 <i>C. vicina</i> <sup>w</sup>	7.0	7.0	7.0	7.2	7.2	7.2	7.0	7.4	7.7	7.3	7.6	7.7	7.7	7.8	9.4	6.5	6.3	6.3	6.7	6.5	6.8	6.8	6.4	6.5	6.3	6.8	6.7
24 <i>C. vicina</i> <sup>x</sup>	7.0	7.0	7.0	7.2	7.2	7.2	7.0	7.2	7.7	7.0	7.6	7.7	7.7	7.8	9.4	6.5	6.3	6.3	6.7	6.5	6.8	6.8	6.4	6.5	6.3	6.8	6.7
25 <i>C. vicina</i> <sup>y</sup>	6.8	6.8	6.8	6.9	6.9	6.9	6.8	7.2	7.5	7.3	7.4	7.7	7.7	7.8	9.4	6.5	6.3	6.3	6.7	6.5	6.8	6.8	6.4	6.5	6.3	6.8	6.7
26 <i>C. vicina</i> <sup>z</sup>	7.0	7.0	7.0	7.2	7.2	7.2	7.0	7.4	7.7	7.3	7.6	7.7	7.7	7.8	9.4	6.5	6.3	6.3	6.7	6.5	6.8	6.8	6.4	6.5	6.3	6.8	6.7
27 <i>C. vicina</i> <sup>aa</sup>	7.0	7.0	7.0	7.2	7.2	7.2	6.8	7.4	7.7	7.3	7.6	7.7	7.7	7.8	9.4	6.5	6.3	6.3	6.7	6.5	6.8	6.8	6.4	6.5	6.3	6.8	6.7
28 <i>C. vicina</i> <sup>ab</sup>	7.0	7.0	7.0	7.2	7.2	7.2	7.0	7.4	7.7	7.3	7.6	7.7	7.7	7.8	9.2	6.3	6.1	6.1	6.5	6.3	6.6	6.6	6.2	6.3	6.1	6.6	6.5
29 <i>C. vicina</i> <sup>ac</sup>	7.0	7.0	7.0	7.2	7.2	7.2	7.0	7.4	7.5	7.3	7.4	7.7	7.7	7.8	9.2	6.3	6.1	6.1	6.7	6.5	6.8	6.6	6.4	6.5	6.3	6.6	6.5
30 <i>C. vicina</i> <sup>ad</sup>	6.9	6.9	6.9	7.0	7.0	7.0	6.9	7.5	7.6	7.4	7.5	7.6	7.6	7.7	9.3	6.4	6.2	6.2	6.6	6.4	6.7	6.7	6.3	6.4	6.2	6.7	6.6

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII.

Table S27. (Continued)

		61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
31	<i>C. vicina</i> <sup>a</sup>	6.9	6.9	6.9	7.0	7.0	7.0	6.9	7.3	7.4	7.2	7.3	7.6	7.6	7.7	9.1	6.2	6.0	6.0	6.6	6.4	6.7	6.5	6.3	6.4	6.2	6.5	6.4
32	<i>C. vicina</i> <sup>m</sup>	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.3	7.5	7.2	7.5	7.6	7.6	7.7	9.2	6.3	6.2	6.2	6.7	6.6	6.8	6.7	6.5	6.6	6.4	6.7	6.6
33	<i>C. vicina</i> <sup>n</sup>	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.4	7.4	7.3	7.5	7.7	7.7	7.8	9.1	6.2	6.2	6.2	6.6	6.6	6.7	6.7	6.5	6.5	6.4	6.7	6.6
34	<i>C. vicina</i> <sup>o</sup>	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.5	7.6	7.4	7.5	7.8	7.8	7.9	9.1	6.2	6.0	6.0	6.6	6.4	6.7	6.5	6.3	6.4	6.2	6.5	6.4
35	<i>C. vicina</i> <sup>*p</sup>	6.9	6.9	6.9	7.0	7.0	7.0	6.9	7.3	7.4	7.4	7.3	7.8	7.8	7.9	9.3	6.4	6.2	6.2	6.8	6.6	6.9	6.7	6.5	6.6	6.4	6.7	6.6
36	<i>C. vicina</i> <sup>*q</sup>	7.0	7.0	7.0	7.2	7.2	7.2	7.0	7.4	7.5	7.3	7.4	7.7	7.7	7.8	9.3	6.4	6.2	6.2	6.8	6.6	6.9	6.7	6.4	6.6	6.4	6.7	6.6
37	<i>C. vicina</i> <sup>*r</sup>	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.5	7.6	7.4	7.5	7.8	7.8	7.9	9.3	6.4	6.2	6.2	6.8	6.6	6.9	6.7	6.5	6.6	6.4	6.7	6.6
38	<i>C. vicina</i> <sup>*s</sup>	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.5	7.6	7.4	7.5	7.8	7.8	7.9	9.3	6.4	6.2	6.2	6.8	6.6	6.9	6.7	6.5	6.6	6.4	6.7	6.6
39	<i>C. vicina</i> <sup>*t</sup>	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.3	7.6	7.2	7.5	7.8	7.8	7.9	9.3	6.4	6.2	6.2	6.8	6.6	6.9	6.7	6.5	6.6	6.4	6.7	6.6
40	<i>C. vicina</i> <sup>*u</sup>	7.0	7.0	7.0	7.2	7.2	7.2	7.0	7.3	7.5	7.2	7.6	7.4	7.4	7.5	9.0	6.2	6.2	6.2	6.4	6.4	6.5	6.7	6.3	6.3	6.2	6.7	6.6
41	<i>C. vicina</i> <sup>*v</sup>	7.3	7.3	7.3	7.4	7.4	7.4	7.3	7.6	7.7	7.5	7.6	7.9	7.9	8.0	9.4	6.5	6.3	6.3	6.9	6.7	7.0	6.8	6.6	6.7	6.5	6.8	6.7
42	<i>C. vicina</i> <sup>*w</sup>	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.6	7.6	7.5	7.5	7.9	7.9	8.0	9.2	6.3	6.1	6.1	6.7	6.5	6.8	6.6	6.4	6.5	6.3	6.6	6.5
43	<i>C. vicina</i> <sup>*x</sup>	7.0	7.0	7.0	7.2	7.2	7.2	7.0	7.4	7.5	7.5	7.4	7.9	7.9	8.0	9.4	6.5	6.3	6.3	6.9	6.7	7.0	6.8	6.6	6.7	6.5	6.8	6.7
44	<i>C. vicina</i> <sup>*y</sup>	7.0	7.0	7.0	7.2	7.2	7.2	7.0	7.4	7.5	7.3	7.4	7.7	7.7	7.8	9.2	6.3	6.1	6.1	6.7	6.5	6.8	6.6	6.4	6.5	6.3	6.4	6.3
45	<i>C. vicina</i> <sup>*z</sup>	7.3	7.3	7.3	7.4	7.4	7.4	7.3	7.6	7.7	7.5	7.6	7.9	7.9	8.0	9.4	6.5	6.3	6.3	6.9	6.7	7.0	6.8	6.6	6.7	6.5	6.8	6.7
46	<i>C. vicina</i> <sup>*aa</sup>	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.4	7.4	7.3	7.5	7.7	7.7	7.8	9.1	6.2	6.2	6.2	6.6	6.6	6.7	6.7	6.5	6.5	6.4	6.7	6.6
47	<i>C. vicina</i> <sup>*ab</sup>	7.3	7.3	7.3	7.4	7.4	7.4	7.3	7.5	7.5	7.4	7.6	7.8	7.8	7.9	9.2	6.3	6.3	6.3	6.7	6.7	6.8	6.8	6.6	6.6	6.5	6.8	6.7
48	<i>C. vomitoria</i> <sup>a</sup>	6.7	6.7	6.7	6.8	6.8	6.8	6.5	7.9	7.4	8.0	7.3	7.9	7.9	8.0	8.5	5.8	5.6	5.7	5.8	5.8	6.1	6.1	5.8	5.7	5.6	6.3	6.2
49	<i>C. vomitoria</i> <sup>*a</sup>	6.7	6.7	6.7	6.8	6.8	6.8	6.5	7.9	7.4	8.0	7.3	7.9	7.9	8.0	8.5	5.8	5.6	5.7	5.8	5.8	6.1	6.1	5.8	5.7	5.6	6.3	6.2
50	<i>C. vomitoria</i> <sup>*b</sup>	6.7	6.7	6.7	6.8	6.8	6.8	6.5	7.9	7.4	8.0	7.3	7.9	7.9	8.0	8.6	5.8	5.6	5.7	5.8	5.8	6.1	6.1	5.8	5.7	5.6	6.3	6.2
51	<i>C. vomitoria</i> <sup>*c</sup>	6.8	6.8	6.8	6.9	6.9	6.9	6.6	8.0	7.5	8.1	7.4	7.8	7.8	7.9	8.4	5.7	5.5	5.6	5.7	5.7	6.0	6.0	5.7	5.6	5.5	6.2	6.1
52	<i>C. vomitoria</i> <sup>*d</sup>	6.8	6.8	6.8	6.9	6.9	6.9	6.6	8.0	7.5	8.1	7.4	8.0	8.0	8.1	8.6	5.9	5.7	5.8	5.9	5.9	6.2	6.2	5.9	5.8	5.7	6.4	6.3
53	<i>C. vomitoria</i> <sup>*e</sup>	6.8	6.8	6.8	6.9	6.9	6.9	6.6	7.8	7.5	7.9	7.4	7.7	7.7	7.8	8.3	5.6	5.4	5.5	5.6	5.6	5.9	5.9	5.6	5.5	5.4	6.3	6.2
54	<i>C. vomitoria</i> <sup>*f</sup>	6.9	6.9	6.9	7.0	7.0	7.0	6.7	7.9	7.6	8.0	7.5	7.6	7.6	7.7	8.2	5.5	5.3	5.4	5.5	5.5	5.8	5.8	5.5	5.4	5.3	6.2	6.1
55	<i>C. vomitoria</i> <sup>*g</sup>	7.2	7.2	7.2	7.3	7.3	7.3	6.9	8.0	7.8	8.1	7.7	7.7	7.7	7.8	8.2	5.6	5.4	5.5	5.7	5.6	5.9	5.9	5.6	5.6	5.4	6.3	6.2
56	<i>L. sericata</i> <sup>a</sup>	0.1	0.1	0.2	0.2	0.2	0.2	0.1	2.6	0.7	2.7	0.6	6.2	6.2	6.3	7.6	5.0	4.8	5.0	5.0	5.0	5.1	5.1	4.9	4.9	4.8	5.0	4.9
57	<i>L. sericata</i> <sup>*a</sup>	0.1	0.1	0.2	0.2	0.2	0.2	0.1	2.6	0.7	2.7	0.6	6.2	6.2	6.3	7.6	5.0	4.8	5.0	5.0	5.0	5.1	5.1	4.9	4.9	4.8	5.0	4.9
58	<i>L. sericata</i> <sup>b</sup>	0.2	0.2	0.3	0.3	0.3	0.3	0.2	2.7	0.8	2.8	0.7	6.3	6.3	6.4	7.7	5.1	4.9	5.1	5.1	5.1	5.2	5.2	5.0	5.0	4.9	5.1	5.0
59	<i>L. sericata</i> <sup>*c</sup>	0.2	0.2	0.3	0.1	0.3	0.3	0.2	2.7	0.8	2.8	0.7	6.3	6.3	6.4	7.7	5.1	4.9	5.1	5.1	5.1	5.2	5.2	5.0	5.0	4.9	5.1	5.0
60	<i>L. sericata</i> <sup>*d</sup>	0.2	0.2	0.3	0.3	0.3	0.2	2.7	0.8	2.8	0.7	6.3	6.3	6.4	7.7	5.1	4.9	5.1	5.1	5.1	5.2	5.2	5.0	5.0	4.9	5.1	5.0	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII.

Table S27. (Continued)

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	
61	<i>L. sericata</i> <sup>a</sup>	—	0.2	0.3	0.3	0.3	0.2	2.7	0.8	2.8	0.7	6.3	6.3	6.4	7.7	5.1	4.9	5.1	5.1	5.1	5.2	5.2	5.0	5.0	4.9	5.1	5.0	
62	<i>L. sericata</i> <sup>f</sup>	2	—	0.3	0.3	0.3	0.2	2.5	0.8	2.6	0.7	6.3	6.3	6.4	7.7	5.1	4.9	5.1	5.1	5.1	5.2	5.2	5.0	5.0	4.9	5.1	5.0	
63	<i>L. sericata</i> <sup>g</sup>	3	3	—	0.4	0.4	0.4	0.3	2.8	0.9	2.9	0.8	6.2	6.2	6.3	7.8	5.2	5.0	5.2	5.2	5.2	5.3	5.3	5.1	5.1	5.0	5.2	5.1
64	<i>L. sericata</i> <sup>h</sup>	3	3	4	—	0.4	0.4	0.3	2.7	0.9	2.8	0.8	6.4	6.4	6.5	7.8	5.2	5.0	5.2	5.2	5.2	5.3	5.3	5.1	5.1	5.0	5.2	5.1
65	<i>L. sericata</i> <sup>i</sup>	3	3	4	4	—	0.4	0.3	2.8	0.9	2.9	0.8	6.4	6.4	6.5	7.8	5.2	5.0	5.2	5.2	5.2	5.3	5.3	5.1	5.1	5.0	5.2	5.1
66	<i>L. sericata</i> <sup>j</sup>	3	3	4	4	4	—	0.3	2.8	0.9	2.9	0.8	6.4	6.4	6.5	7.8	5.2	5.0	5.2	5.2	5.2	5.3	5.3	5.1	5.1	5.0	5.2	5.1
67	<i>L. sericata</i> <sup>k</sup>	2	2	3	3	3	3	—	2.7	0.8	2.8	0.7	6.3	6.3	6.4	7.7	5.1	4.9	5.1	5.1	5.1	5.2	5.2	5.0	5.0	4.9	5.1	5.0
68	<i>L. cuprina</i> <sup>l</sup>	26	24	27	26	27	27	26	—	3.2	0.4	3.2	7.2	7.2	7.3	8.4	5.5	5.4	5.6	5.7	5.6	5.8	5.9	5.5	5.7	5.4	5.8	5.7
69	<i>L. cuprina</i> <sup>m</sup>	8	8	9	9	9	9	8	31	—	3.3	0.1	6.6	6.6	6.7	7.5	5.1	5.1	5.3	5.3	5.5	5.4	5.4	5.4	5.3	5.3	5.3	5.2
70	<i>L. cuprina</i> <sup>n</sup>	27	25	28	27	28	28	27	4	32	—	3.3	7.2	7.2	7.3	8.4	5.5	5.4	5.6	5.7	5.6	5.8	5.9	5.5	5.7	5.4	5.8	5.7
71	<i>L. cuprina</i> <sup>o</sup>	7	7	8	8	8	8	7	31	1	32	—	6.6	6.6	6.7	7.6	5.2	5.0	5.2	5.4	5.4	5.5	5.3	5.3	5.3	5.2	5.2	5.1
72	<i>L. ampullacea</i> <sup>p</sup>	61	61	60	62	62	62	61	69	64	69	64	—	0.0	0.1	5.5	3.7	3.8	3.9	3.5	3.4	3.4	3.7	3.6	3.6	3.6	4.6	4.5
73	<i>L. ampullacea</i> <sup>q</sup>	61	61	60	62	62	62	61	69	64	69	64	0	—	0.1	5.5	3.7	3.8	3.9	3.5	3.4	3.4	3.7	3.6	3.6	3.6	4.6	4.5
74	<i>L. ampullacea</i> <sup>r</sup>	62	62	61	63	63	63	62	70	65	70	65	1	1	—	5.6	3.8	3.9	4.0	3.6	3.5	3.5	3.8	3.7	3.7	3.7	4.7	4.6
75	<i>L. porphyrina</i> <sup>s</sup>	74	74	75	75	75	74	81	72	81	73	53	53	54	—	5.4	5.6	5.4	5.4	5.6	5.5	5.7	5.7	5.3	5.6	5.8	5.7	
76	<i>L. caesar</i> <sup>t</sup>	49	49	50	50	50	49	53	49	53	50	36	37	52	—	0.2	0.3	0.4	0.4	0.5	0.7	0.8	0.5	0.2	1.1	1.0		
77	<i>L. caesar</i> <sup>u</sup>	47	47	48	48	48	48	47	52	49	52	48	37	37	38	54	2	—	0.3	0.6	0.4	0.7	0.5	0.6	0.6	0.2	1.1	1.0
78	<i>L. caesar</i> <sup>v</sup>	49	49	50	50	50	49	54	51	54	50	38	38	39	52	3	3	—	0.7	0.5	0.8	0.8	0.5	0.4	0.3	1.0	0.9	
79	<i>L. caesar</i> <sup>w</sup>	49	49	50	50	50	49	55	51	55	52	34	34	35	52	4	6	7	—	0.2	0.3	0.7	0.6	0.1	0.4	1.3	1.2	
80	<i>L. caesar</i> <sup>x</sup>	49	49	50	50	50	49	54	53	54	52	33	33	34	54	4	4	5	2	—	0.3	0.5	0.4	0.2	0.2	1.1	1.0	
81	<i>L. caesar</i> <sup>y</sup>	50	50	51	51	51	50	56	52	56	53	33	33	34	53	5	7	8	3	3	—	0.4	0.7	0.4	0.5	1.2	1.3	
82	<i>L. caesar</i> <sup>z</sup>	50	50	51	51	51	50	57	52	57	51	36	36	37	55	7	5	8	7	5	4	—	0.7	0.7	0.7	1.2	1.3	
83	<i>L. caesar</i> <sup>aa</sup>	48	48	49	49	49	48	53	52	53	51	35	35	36	55	8	6	5	6	4	7	7	—	0.3	0.6	1.3	1.2	
84	<i>L. caesar</i> <sup>ab</sup>	48	48	49	49	49	48	55	51	55	51	35	35	36	51	5	6	4	1	2	4	7	3	—	0.4	1.1	1.0	
85	<i>L. illustris</i> <sup>ac</sup>	47	47	48	48	48	47	52	51	52	50	35	35	36	54	2	2	3	4	2	5	7	6	4	—	1.1	1.0	
86	<i>L. illustris</i> <sup>ad</sup>	49	49	50	50	50	49	56	51	56	50	44	44	45	56	11	11	10	13	11	12	12	13	11	11	—	0.1	
87	<i>L. illustris</i> <sup>ae</sup>	48	48	49	49	49	48	55	50	55	49	43	43	44	55	10	10	9	12	10	13	13	12	10	10	1	—	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII.

**Table S28.** Pairwise sequence divergence between the studied Calliphoridae (*L. sericata*\*, *L. ampullacea*\*, *L. caesar*\* and *L. illustris*\*) variants for the ITS2 (310-331 bp). GenBank database sequences for the same and other Calliphoridae species were included for comparison purposes. The brackets in the superscript indicate more than one sequence with same haplotype (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1 <i>Ch. albiceps</i> <sup>(a)</sup>	—	14.7	13.3	9.9	1.9	20.3	23.2	22.7	26.6	22.2	22.2	22.5	22.0	24.2	24.4	24.2	24.2	24.6	27.8	27.8	27.5	27.5	27.5
2 <i>Ch. bezziana</i> <sup>(a)</sup>	61	—	2.7	16.2	15.7	17.1	19.8	22.9	21.0	20.5	20.5	20.3	20.3	22.9	22.9	21.3	21.3	22.0	24.6	24.6	25.1	25.1	25.1
3 <i>Ch. megacephala</i> <sup>(a)</sup>	55	11	—	14.7	14.3	16.2	18.6	21.7	20.8	19.6	19.6	19.3	19.3	22.0	22.0	21.3	21.3	21.7	24.9	24.9	24.9	24.9	24.9
4 <i>Ch. putoria</i> <sup>a</sup>	41	67	61	—	10.4	22.5	21.7	22.5	27.1	23.9	23.9	23.7	23.7	27.5	27.5	23.7	23.7	23.9	27.5	27.5	27.3	27.3	27.3
5 <i>Ch. ruffacies</i> <sup>(a)</sup>	8	65	59	43	—	21.3	23.9	23.7	26.8	22.7	22.7	22.9	22.9	22.5	24.4	24.6	25.1	25.1	25.6	28.5	28.5	28.3	28.3
6 <i>Pr. terraenovae</i> <sup>a</sup>	84	71	67	93	88	—	12.1	23.2	20.3	21.3	21.3	21.0	21.0	21.3	23.7	23.7	26.6	26.6	25.4	24.2	24.2	24.2	24.2
7 <i>P. regina</i> <sup>(a)</sup>	96	82	77	90	99	50	—	26.8	23.2	22.5	22.5	22.2	22.2	22.7	24.4	24.4	24.4	24.4	23.2	22.0	22.0	22.0	22.0
8 <i>C. vicina</i> <sup>(a)</sup>	94	95	90	93	98	96	111	—	18.1	23.7	23.7	23.4	23.4	23.9	27.3	27.3	28.7	28.7	28.0	28.0	28.0	27.8	27.8
9 <i>C. vomitoria</i> <sup>(a)</sup>	110	87	86	112	111	84	96	75	—	19.8	19.8	19.6	19.6	19.6	22.5	22.5	26.3	26.3	24.9	24.6	24.6	24.6	24.6
10 <i>L. sericata</i> <sup>(a)</sup>	92	85	81	99	94	88	93	98	82	—	0.0	0.2	0.2	0.2	8.5	8.2	21.0	21.0	21.0	21.5	21.5	21.3	21.3
11 <i>L. sericata</i> <sup>(*a)</sup>	92	85	81	99	94	88	93	98	82	0	—	0.2	0.2	0.2	8.5	8.2	21.0	21.0	21.0	21.5	21.5	21.3	21.3
12 <i>L. sericata</i> <sup>(b)</sup>	93	84	80	98	95	87	92	97	81	1	1	—	0.0	0.5	8.7	8.5	21.3	21.3	21.3	21.7	21.7	21.5	21.5
13 <i>L. sericata</i> <sup>(*b)</sup>	93	84	80	98	95	87	92	97	81	1	1	0	—	0.5	8.7	8.5	21.3	21.3	21.3	21.7	21.7	21.5	21.5
14 <i>L. sericata</i> <sup>(c)</sup>	91	84	80	98	93	88	94	99	81	1	1	2	2	—	8.7	8.5	21.3	21.3	21.3	21.7	21.7	21.5	21.5
15 <i>L. cuprina</i> <sup>(a)</sup>	100	95	91	114	101	98	101	113	93	35	35	36	36	36	—	0.2	23.4	23.4	23.7	24.2	24.2	23.9	23.9
16 <i>L. cuprina</i> <sup>(b)</sup>	101	95	91	114	102	98	101	113	93	34	34	35	35	35	1	—	23.4	23.4	23.7	24.2	24.2	23.9	23.9
17 <i>L. ampullacea</i> <sup>(a)</sup>	100	88	88	98	104	110	101	119	109	87	87	88	88	88	97	97	—	0.0	4.1	13.3	13.3	12.8	12.8
18 <i>L. ampullacea</i> <sup>(*a)</sup>	100	88	88	98	104	110	101	119	109	87	87	88	88	88	97	97	0	—	4.1	13.3	13.3	12.8	12.8
19 <i>L. porphyrina</i> <sup>(a)</sup>	102	91	90	99	106	105	96	116	103	87	87	88	88	88	98	98	17	17	—	12.3	12.3	10.6	10.6
20 <i>L. caesar</i> <sup>(a)</sup>	115	102	103	114	118	100	91	116	102	89	89	90	90	90	100	100	55	55	51	—	0.0	1.7	1.7
21 <i>L. caesar</i> <sup>(*a)</sup>	115	102	103	114	118	100	91	116	102	89	89	90	90	90	100	100	55	55	51	0	—	1.7	1.7
22 <i>L. illustris</i> <sup>(a)</sup>	114	104	103	113	117	100	91	115	102	88	88	89	89	89	99	99	53	53	44	7	7	—	0.0
23 <i>L. illustris</i> <sup>(*a)</sup>	114	104	103	113	117	100	91	115	102	88	88	89	89	89	99	99	53	53	44	7	7	0	—

<sup>a</sup> Variant Vtl; <sup>b</sup> Variant VtII; <sup>c</sup> Variant VtIII.

Aportación / Contribution I.IV

**Table S29.** Data of myiasis-causing studied Diptera in Northern Spain (Southern Europe). The table shows case number (CN), vertebrate host (VH), collection location (CL), geographical location (GL), climate, season, sample name (SN), number of specimens (N), development stage (DS) and species.

CN	VH	CL	GL		Climate	Season	SN	N	DS	Species
			Latitude	Longitude						
1	Cattle	Luxo	43.08° N	3.10° W	Oceanic	Spring	S1	1	LIII	<i>H. bovis</i>
2	Cattle	Guinea	42.85° N	3.01° W	Sub-mediterranean	Spring	S1	14	LII-LIII	<i>L. caesar</i>
							S2	20	LII-LIII	<i>L. caesar</i>
							S3	3	LIII	<i>L. caesar</i>
							S4	11	LII-LIII	<i>L. caesar</i>
							S5	45	LII-LIII	<i>L. caesar/L. illustris</i>
							S6	4	LIII	<i>L. caesar</i>
							S7	4	LIII	<i>L. caesar</i>
							S8	12	LII-LIII	<i>L. caesar</i>
3	Cattle	Ozaeta	42.92° N	2.49° W	Sub-mediterranean	Summer	S1	1	LIII	<i>M. autumnalis</i>
4	Goat	Oiardo	42.99° N	2.93° W	Sub-oceanic	Autumn	S1	1	LIII	<i>C. vicina</i>
5	Wild boar	Vitoria	42.85° N	2.66° W	Sub-mediterranean	Autumn	S1	6	LIII	<i>C. vicina</i>
6	Cattle	Retes de Llanteno	43.09° N	3.10° W	Oceanic	Autumn	S1	2	LIII	<i>L. caesar</i>
							S1	6	LIII	<i>Ch. albiceps</i>
7	Sheep	Gibijo	42.91° N	2.70° W	Sub-oceanic	Autumn	S2	13	LIII	<i>L. caesar</i>
							S1	7	LII-LIII	<i>L. caesar</i>
8	Cattle	Oiardo	42.99° N	2.93° W	Sub-oceanic	Autumn	S1	7	LII-LIII	<i>L. caesar</i>
							S2	5	LIII	<i>L. caesar</i>

**Table S30.** Studied myiasis species sequences for the COI barcode (658 bp), COI (616 bp), COI barcode-COI 616 bp (1274 bp), COII (725-731 bp), ITS2 (322-352 bp) and ITS12 (1081-1083 bp) molecular markers. The table shows case number (CN), sample (S), species, number of specimens (N), accession numbers (AN) and haplotypes/variants (H/Vt). The bar (-) indicates that there are no data in GenBank.

CN	S	Species	N	Accession Numbers											
				COI barcode-COI 616 bp						COII		ITS2		ITS12	
				COI barcode		COI 616 bp		H		AN	H	AN	H	AN	H
1	1	<i>H. bovis</i>	1	KJ635693	H1	KP732372	H4	H1	-	-	-	-	-	-	
2	1	<i>L. caesar</i>	1	KJ635694	H5	KP732373	H15	H21	KP776672	H5	KJ658211	Vt1	KP940387	Vt1	
			2	KJ635695	H11	KP732374	H7	H15	KP776673	H2	KJ658212	Vt1	KP940388	Vt3	
			3	KJ635696	H2	KP732375	H1	H2	KP776674	H1	KJ658213	Vt1	KP940389	Vt1	
			4	KJ635697	H18	KP732376	H11	H24	KP776675	H4	KJ658214	Vt1	KP940390	Vt1	
			5	KJ635698	H18	KP732377	H1	H17	KP776676	H1	KJ658215	Vt1	KP940391	Vt2	
			6	KJ635699	H1	KP732378	H1	H1	KP776677	H1	KJ658216	Vt1	KP940392	Vt1	
			7	KJ635700	H17	KP732379	H9	H19	KP776678	H2	KJ658217	Vt1	KP940393	Vt1	
			8	KJ635701	H18	KP732380	H1	H17	KP776679	H1	KJ658218	Vt1	KP940394	Vt2	
	3	<i>L. caesar</i>	1	KJ635702	H1	KP732381	H1	H1	KP776680	H1	KJ658219	Vt1	KP940395	Vt1	
			2	KJ635703	H6	KP732382	H1	H6	KP776681	H1	KJ658220	Vt1	KP940396	Vt2	
	4	<i>L. caesar</i>	1	KJ635704	H1	KP732383	H1	H1	KP776682	H1	KJ658221	Vt1	KP940397	Vt1	
			2	KJ635705	H10	KP732384	H1	H10	KP776683	H3	KJ658222	Vt1	KP940398	Vt1	
	5.1	<i>L. caesar</i>	1	KJ635706	H12	KP732385	H7	H16	KP776684	H2	KJ658223	Vt1	KP940399	Vt3	
			2	KJ635707	H1	KP732386	H3	H3	KP776685	H1	KJ658224	Vt1	KP940400	Vt1	
	5.9	<i>L. caesar</i>	1	KJ635708	H15	KP732387	H11	H23	KP776686	H4	KJ658225	Vt1	KP940401	Vt1	
			3	KJ635709	H1	KP732388	H3	H3	KP776687	H1	KJ658226	Vt1	KP940402	Vt1	
	6	<i>L. caesar</i>	1	KJ635710	H18	KP732389	H1	H17	KP776688	H1	KJ658227	Vt1	KP940403	Vt2	
			2	KJ635711	H2	KP732390	H1	H2	KP776689	H1	KJ658228	Vt1	KP940404	Vt1	
	7	<i>L. caesar</i>	1	KJ635712	H22	KP732391	H13	H27	KP776690	H4	KJ658229	Vt1	KP940405	Vt1	
			2	KJ635713	H14	KP732392	H1	H11	KP776691	H5	KJ658230	Vt1	KP940406	Vt2	
8	<i>L. caesar</i>	1	KJ635714	H4	KP732393	H5	H7	KP776692	H3	KJ658231	Vt1	KP940407	Vt1		
		3	KJ635715	H15	KP732394	H10	H22	KP776693	H4	KJ658232	Vt1	KP940408	Vt1		
7	<i>L. caesar</i>	1	KJ635716	H1	KP732395	H1	H1	KP776694	H1	KJ658233	Vt1	KP940409	Vt1		
		2	KJ635717	H1	KP732396	H1	H1	KP776695	H1	KJ658234	Vt1	KP940410	Vt2		
8	<i>L. caesar</i>	1	KJ635718	H1	KP732397	H1	H1	KP776696	H1	KJ658235	Vt1	KP940411	Vt1		
		2	KJ635719	H12	KP732398	H7	H16	KP776697	H2	KJ658236	Vt1	KP940412	Vt1		
3	<i>M. autumnalis</i>	1	KF751383	H1	KP732401	H1	H1	-	-	KJ658239	Vt1	-	-		
		2	KJ635720	H1	KP732399	H1	H1	KP776698	H1	KJ658237	Vt1	KP940413	Vt1		

**Material suplementario / Supplementary material**

4	1	<i>C. vicina</i>	1	KJ635722	H11	KP732402	H2	H25	KP776700	H3	KJ658240	Vt1	-	-
5	1	<i>C. vicina</i>	1	KJ635723	H5	KP732403	H5	H16	KP776701	H1	KJ658241	Vt1	-	-
			2	KJ635724	H1	KP732404	H5	H7	KP776702	H1	KJ658242	Vt1	-	-
			3	KJ635725	H1	KP732405	H2	H2	KP776703	H1	KJ658243	Vt1	-	-
			4	KJ635726	H1	KP732406	H2	H2	KP776704	H1	KJ658244	Vt1	-	-
			5	KJ635727	H1	KP732407	H2	H2	KP776705	H1	KJ658245	Vt1	-	-
			6	KJ635728	H1	KP732408	H2	H2	KP776706	H1	KJ658246	Vt1	-	-
6	1	<i>L. caesar</i>	1	KJ635729	H1	KP732409	H4	H4	KP776707	H1	KJ658247	Vt1	KP940414	Vt1
			2	KJ635730	H1	KP732410	H4	H4	KP776708	H1	KJ658248	Vt1	KP940415	Vt1
7	1	<i>Ch. albiceps</i>	1	KJ635731	H2	KP732411	H1	H3	KP776709	H2	KJ658249	Vt1	-	-
			2	KJ635732	H1	KP732412	H1	H1	KP776710	H1	KJ658250	Vt1	-	-
			3	KJ635733	H1	KP732413	H1	H1	KP776711	H1	KJ658251	Vt1	-	-
			4	KJ635734	H1	KP732414	H1	H1	KP776712	H1	KJ658252	Vt1	-	-
	2	<i>L. caesar</i>	1	KJ635735	H18	KP732415	H12	H25	KP776713	H4	KJ658253	Vt1	KP940416	Vt1
			2	KJ635736	H16	KP732416	H7	H20	KP776714	H7	KJ658254	Vt1	KP940417	Vt3
			3	KJ635737	H1	KP732417	H1	H1	KP776715	H1	KJ658255	Vt1	KP940418	Vt1
			4	KJ635738	H18	KP732418	H12	H25	KP776716	H4	KJ658256	Vt1	KP940419	Vt1
			5	KJ635739	H9	KP732419	H6	H12	KP776717	H5	KJ658257	Vt1	KP940420	Vt2
			6	KJ635740	H23	KP732420	H14	H28	KP776718	H4	KJ658258	Vt1	KP940421	Vt1
			7	KJ635741	H7	KP732421	H1	H8	KP776719	H1	KJ658259	Vt1	KP940422	Vt1
			8	KJ635742	H1	KP732422	H1	H1	KP776720	H1	KJ658260	Vt1	KP940423	Vt1
8	1	<i>L. caesar</i>	9	KJ635743	H12	KP732423	H7	H16	KP776721	H6	KJ658261	Vt1	KP940424	Vt3
			1	KP699700	H18	KP732424	H11	H24	KP776722	H4	KP699708	Vt1	KP940425	Vt1
			2	KP699701	H13	KP732425	H8	H18	KP776723	H1	KP699709	Vt1	KP940426	Vt1
			3	KP699702	H2	KP732426	H1	H2	KP776724	H1	KP699710	Vt1	KP940427	Vt1
			4	KP699703	H18	KP732427	H11	H24	KP776725	H4	KP699711	Vt1	KP940428	Vt1
			5	KP699704	H2	KP732428	H1	H2	KP776726	H1	KP699712	Vt1	KP940429	Vt1
			6	KP699705	H2	KP732429	H1	H2	KP776727	H1	KP699713	Vt1	KP940430	Vt1
			7	KP699706	H13	KP732430	H8	H18	KP776728	H1	KP699714	Vt1	KP940431	Vt1
			8	KP699707	H2	KP732431	H1	H2	KP776729	H1	KP699715	Vt1	KP940432	Vt1

**Table S31.** Data about molecular markers. The table shows molecular marker (MM), Length in base pair (bp), location in the mitochondrial genome of *Drosophila yakuba* (NC001322), primer name and primer nucleotide sequence.

MM	Length (bp)	<i>D. yakuba</i>	Primer name	Primer nucleotide sequence
COI barcode	658	1515-2172	LCO1490	5'- TTT CAA CTA ATC ATA AAG ATA TTG G -3'
			HCO2198	5'- TAA ACT TCA GGA TGA CCA AAG AAT CA -3'
COI 616 bp	616	2173-2788	COI-3_F1978	5'- ATA CGA TCT ACA GGA ATC AC -3'
			COI-3_R2810	5'- GTG TAA GCA TCT GGG TAA TCT G -3'
			COI-1-DEG_F2115	5'- TAC WTC ATT YTT TGA YCC WG -3'
			COI-2-DEG_R2808	5'- RTA AGC RTC WGG RTA RTC TG -3'
			COII-F3016	5'- ATA TGG CAG ATT AGT GCA ATG G -3'
COII	725-731	3038-3762	COII-R3786	5'- GGC TTT CAG TCA TCT AAT GAA GAG -3'
			ITS2_F2814-2835	5'- TGC TTG GAC TAC ATA TGG TTG A -3'
ITS2 <sup>a</sup>	322-352	- <sup>b</sup>	ITS2_R3295-3317	5'- GTA GTC CCA TAT GAG TTG AGG TT -3'
			ITS12-F	5'- TAA CAA GGT TTC CGT AGG TG -3'
ITS12 <sup>a</sup>	1081-1083	- <sup>b</sup>	ITS12-R	5'- GTT ACT TTC TTT TCC TCC CCT -3'

<sup>a</sup> Nuclear marker; <sup>b</sup> No data.

*Material suplementario / Supplementary material*

**Table S32.** Alignment of COI barcode-COI 616 bp (1274 bp, *D. yakuba* NC001322: 1515-2788 positions) consensus sequences obtained for the studied species: *H. bovis* (1), *M. autumnalis* (2), *Ch. albiceps* (3), *C. vicina* (4), *L. caesar* (5) and *L. illustris* (6). The COI barcode (658 bp) covers from position 1 to 658 and COI (616 bp) from 659 to 1274. The base differences between species are indicated (5'→3'). Identity is indicated with a full stop (•), changes with an asterisk (\*) and nucleotide notation follow IUB code. Sequences begin at the 3' end of the forward primer.

	1		10		20		30		40		50																																												
1	A	A	C	A	T	T	A	T	A	T	T	T	T	A	T	T	T	T	G	G	A	G	C	T	T	G	A	T	C	T	G	G	A	A	T	A	A	T	T	G	G	A	A	C	T	T	C	A	C						
2	T	•	•	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C	T				
3	T	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	T			
4	T	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	T			
5	T	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	T			
6	T	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	T		
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	51		60		70		80		90		100																																												
1	T	A	A	G	A	A	T	C	T	T	A	A	T	T	C	G	A	G	C	T	G	A	A	T	T	A	G	G	A	C	A	T	C	C	A	G	G	A	G	C	C	T	T	A	A	T	T	G	G	C					
2	•	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T		
3	•	•	•	•	•	•	•	T	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	A		
4	•	•	•	•	•	•	•	T	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	A			
5	•	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	A			
6	•	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	A			
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2	•	•	•	•	•	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
3	•	•	•	•	•	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
4	•	•	•	•	•	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
5	•	•	•	•	•	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
6	•	•	•	•	•	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
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	151		160		170		180		190		200																																												
1	T	T	T	C	T	T	C	A	T	A	G	T	T	A	T	A	C	C	T	A	T	T	A	T	A	A	T	T	G	G	A	G	G	A	T	T	T	G	G	A	A	A	C	T	G	A	T	T	A	G					
2	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
3	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
4	•	•	•	T	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
5	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
6	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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*Material suplementario / Supplementary material*

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	201		210		220		230		240		250																																															
1	T	A	C	C	A	T	T	A	A	T	A	T	A	G	G	A	G	C	T	C	C	A	G	A	T	A	T	A	G	C	A	T	T	C	C	C	T	C	G	A	A	T	A	A	A	T	A	A	C									
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	251		260		270		280		290		300																																															
1	A	T	A	A	G	A	T	T	T	T	G	A	T	T	A	T	T	A	C	C	T	C	C	A	T	C	A	T	T	A	C	T	A	T	T	A	G	T	A	A	G	A	A	G														
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	301		310		320		330		340		350																																															
1	A	A	T	A	G	T	G	G	A	A	A	A	C	G	G	A	G	C	T	G	G	A	A	C	A	G	G	A	T	G	A	A	C	A	G	T	T	T	A	T	C	C	A	C	C	T	T	T	A	T								
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	351		360		370		380		390		400																																															
1	C	C	T	C	A	A	A	T	A	T	C	G	C	T	C	A	T	G	G	A	G	G	C	C	C	A	T	C	T	G	T	T	G	A	T	T	T	A	G	C	A	A	T	T	T	T	T	C	T									
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**Material suplementario / Supplementary material**

	401		410		420		430		440		450																																																
1	T	T	A	C	A	T	C	T	A	G	C	A	G	G	T	A	T	T	T	C	A	T	C	T	A	T	T	T	T	A	T	C	A	C																									
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	451		460		470		480		490		500																																																
1	T	A	C	T	A	T	C	A	T	T	A	A	T	A	T	A	C	G	A	T	C	A	A	C	A	G	G	A	A	T	T	T	C	A	C	T	A	G	A	T	C	G	C	A	T	A	C	C	T	T									
2	A	.	.	C	G	.	A	.	.	.	.	.	.	.	.	G	.	G	G	.	T	.	T	.	G	.	.	A	.	T	.	T	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.								
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	501		510		520		530		540		550																																																
1	T	A	T	T	T	G	T	C	T	G	A	T	C	A	G	T	C	G	G	A	A	T	T	A	C	A	G	C	T	T	T	A	C	T	A	T	T	A	C	T	A	T	T	A	T	C	T	C	T	T									
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	551		560		570		580		590		600																																																
1	C	C	T	G	T	A	T	T	A	G	C	C	G	G	T	G	C	T	A	T	C	A	C	A	A	T	A	T	T	A	T	T	A	T	T	A	A	C	A	G	A	T	C	G	A	A	A	C	T	T	A	A	A						
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*Material suplementario / Supplementary material*

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	601		610		620		630		640		650																																												
1	T	A	C	A	T	C	A	T	T	T	T	G	A	T	C	C	C	G	C	A	G	G	A	G	G	A	G	G	A	G	A	T	C	C	A	A	T	T	C	T	C	T	A	T	C	A	A	C							
2	.	.	.	T	.	.	.	.	.	C	.	.	.	.	.	C	.	.	T	.	G	.	.	.	.	.	.	.	.	.	.	.	.	C	.	.	.	.	.	.	.	T	.	C	.	.	.	.	.						
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	651		660		670		680		690		700																																												
1	A	T	T	T	A	T	T	T	T	G	A	T	T	T	T	T	C	G	G	T	C	A	T	C	C	A	G	A	A	G	T	T	T	A	T	A	T	T	T	T	A	A	T	T	T	T	A	C	C	A					
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	701		710		720		730		740		750																																												
1	G	G	A	T	T	T	G	G	A	A	T	A	A	T	T	T	C	T	C	A	T	A	T	T	A	T	T	A	G	A	C	A	A	G	A	A	T	C	A	G	G	A	A	A	A	A	A	G	G	A					
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	751		760		770		780		790		800																																												
1	A	A	C	T	T	T	C	G	G	A	T	C	A	T	T	A	G	G	G	A	T	A	A	T	T	T	A	T	G	C	A	A	T	A	T	T	A	G	C	T	A	T	T	G	G	A	T	T	A	T					
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*Material suplementario / Supplementary material*

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	801										810										820										830										840										850										
1	T	A	G	G	A	T	T	A	T	T	G	T	A	T	G	A	G	C	T	C	A	T	C	A	T	A	T	A	T	T	A	C	A	G	T	T	G	G	A	A	T	A	G	A	C	G	T	T													
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	851										860										870										880										890										900										
1	G	A	C	A	C	A	C	G	A	G	C	T	T	A	T	T	T	C	A	C	T	T	C	A	G	C	A	A	C	A	A	T	A	A	T	T	A	T	T	G	C	T	G	T	A	C	C	A	A	C											
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	901										910										920										930										940										950										
1	T	G	G	A	A	T	T	A	A	A	A	T	T	T	T	C	A	G	A	T	G	A	T	T	A	G	C	A	A	C	T	T	T	A	C	A	T	G	G	A	A	C	A	C	A	A	A	T	C	A											
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	951										960										970										980										990										1000										
1	A	C	T	A	C	T	C	T	C	C	T	G	C	A	A	C	T	T	T	A	T	G	A	T	C	T	T	T	A	G	G	A	T	T	T	G	T	T	T	T	T	T	A	T	T	T	A	C	A												
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*Material suplementario / Supplementary material*

	1001	1010	1020	1030	1040	1050																																																				
1	G	T	T	G	G	A	G	G	A	T	T	A	A	C	T	G	G	A	G	T	A	A	T	T	T	A	G	C	T	A	A	T	T	C	A	T	C	T	A	T	T	G	A	T	A	T	T	A	T									
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	*	*										*	*	*	*	*	*			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	1051	1060	1070	1080	1090	1100																																																				
1	T	T	T	A	C	A	T	G	A	T	A	C	A	T	A	T	T	A	T	G	T	A	G	T	A	G	C	T	C	A	C	T	T	C	C	A	T	T	A	T	G	T	T	T	A	T	C	T	A									
2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
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	*	*										*	*	*	*	*	*			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*							
	1101	1110	1120	1130	1140	1150																																																				
1	T	A	G	G	A	G	C	T	G	T	A	T	T	T	G	C	C	A	T	T	A	T	A	G	C	T	G	G	A	T	T	C	A	T	T	C	A	T	T	A																		
2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
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	*	*										*	*	*	*	*	*			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
	1151	1160	1170	1180	1190	1200																																																				
1	T	T	T	A	C	A	G	G	A	T	T	A	A	C	A	T	T	A	A	A	A	A	C	T	A	T	T	A	A	A	A	A	G	C	C	A	A	T	T	T	G	T	C	A	T													
2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
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*Material suplementario / Supplementary material*

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	1201							1210							1220							1230							1240							1250												
1	T	A	T	A	T	T	T	T	A	G	G	A	G	T	A	A	A	T	T	T	A	A	C	C	T	T	T	T	C	C	C	T	C	A	A	C	A	C	T	T	T	T	A	G	G	G	T	
2	A	.	.	.	.	.	C	A	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A	.
3	.	.	.	.	.	.	A	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A	.	C	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A	.	
4	.	.	.	.	.	.	A	.	T	.	.	G	.	.	T	.	.	.	A	.	T	.	.	A	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A	.	
5	.	.	.	.	.	.	A	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	T	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A	C		
6	.	.	.	.	.	.	A	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	T	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A	C			
	*						*	*		*		*		*		*		*		*		*		*		*		*		*		*		*		*		*		*		*		*		*		*

	1251							1260							1270							1274		
1	T	A	G	C	T	G	G	C	A	T	A	C	C	T	C	G	A	C	G	T	T	A	T	T
2	.	.	.	.	C	.	A	.	.	.	.	.	.	.	.	.	.	.	.	A	.	.	.	.
3	.	.	.	.	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	A	.	.	.	.
4	.	G	.	.	A	.	A	.	.	.	.	.	.	.	.	.	.	.	A	.	.	C	.	
5	.	.	.	.	A	.	A	.	.	.	.	.	A	.	.	.	.	.	A	.	.	.	.	
6	.	.	.	.	A	.	A	.	.	.	.	.	A	.	.	.	.	.	A	.	.	.	.	
	*		*		*		*		*		*		*		*		*		*		*		*	



*Material suplementario / Supplementary material*

	201		210		220		230		240		250
1	T T T T C A - A T T A A T T G A G G A A G G T C T A G C A T A A A - - A A T T C T T T A T G - A A C										
2	. . . - - - T . . T . . . . . . . . . . A . . . . . . . . . . - . - - A . . . . . . . A . . .										
3	A . . . - - - T . . T . A T . T . . T . . . . . . . A . . .										
4	. . . . T . - T . . T . - . - - . T . . . . . . . A . . .										
5	. . . . T . T T . . T . - . - - . T . . . . . . . A . . .										
	*		*		*		*		*		*
	251		260		270		280		290		300
1	T A G A A T T G T C T C T T T T A T G T T G A A G A - - - - - - - - - - A A A A A A C A C T A										
2	. . . . . . . . C . . . . . . . A . A A . A A . G A . - - T T T C A T T T A T G T G . . - - - - - -										
3	. . . G . . . . C . . . . . C . A T . A A A A . G A . T T T T T T A T T T A A . C . G . . . A T - - -										
4	. . . . . . . . C . . . . . C . A . A A . G A . . . . A T T T T T A T T T G T T . T . . . . A . T . .										
5	. . . . . . . . C . . . . . C . A . A A . G A . . . . A T T T T T A T T T A T T . T . . . . A . T . .										
	*		*		*		*		*		*
	301		310		320		330		340		350
1	A T A T A C T C A A A A A G A A A A G A T T T T T T C A T T A T A A T G A T G G T T T T - - - T C T										
2	- - - - - - - T . T . . . . . . . T . . . . . . . - - - - - - - - . T . C . . . . . . . - - - G A .										
3	- - - - - - - - . . . . . . . . . T . . . . . . . C - - - - - - - . . T . T G . . . . . . . - - - G A .										
4	. A C A . A C T . . . . . T . . G . A . . . . A . - - - - - - - . . T . C . . . . . . . T G A . A .										
5	. A C A . A C T . . . . . T . . G . A . . . . A . - - - - - - - . . T . C . . . . . . . T G A . A .										
	*		*		*		*		*		*
	351		360		370		380		387		
1	A T A A A A T G T A T A A C T A A A T G T T A G T A T T T G T T T A T A C										
2	. . T T T . . . A . A . . G A . T . A A . . . . T . T A . . . T . . . . . . .										
3	. . T T T . . . A T . T . A A . . . . - - - - - - T . . . T . . A T . . .										
4	T . T T . T . . A T A T . A A . T . - - - - - - T . . . T A . . . . . . .										
5	T . T T . T . . A T A T . A A . T . - - - - - - T . . . T A . . . . . . .										
	*		*		*		*		*		*

**Material suplementario / Supplementary material**

**Table S34.** Alignment of COII (725-731 bp, *D. yakuba* NC001322: 3038-3762 positions) consensus sequences obtained for the studied species: *Ch. albiceps* (1), *C. vicina* (2), *L. caesar* (3) and *L. illustris* (4). The base differences between species are indicated (5'→3'). Identity is indicated with a full stop (•), changes with an asterisk (\*), gaps with a bar (-) and nucleotide notation follow IUB code. Sequences begin at the 3' end of the forward primer.

	1	10	20	30	40	50																																																					
1	A	T	T	A	A	G	C	T	C	C	A	T	A	T	A	A	A	G	T	A	T	T	T	T	A	C	T	T	T	T	A	T	T	A	G	A	A	T	-	-	-	A	C	A	A	A	T												
2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	A	-	-	-	•	T	•	•	•	•									
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	A	A	•	T	•	•	•	•						
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
	51	60	70	80	90	100																																																					
1	G	T	C	A	A	C	A	T	G	A	G	C	A	A	G	T	T	A	G	G	T	T	A	C	A	A	G	A	T	A	G	T	T	C	T	T	C	A	C	C	A	T	T	A	A	T	A	A	G										
2	•	•	•	•	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	•	•	•	•	•	•									
3	•	•	•	•	•	•	•	•	•	•	•	•	•	A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	•	•	T	•	•	•	•	•								
4	•	•	•	•	•	•	•	•	•	•	•	•	•	A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	T	•	•	T	•	•	•	•	•								
	101	110	120	130	140	150																																																					
1	A	A	C	A	A	T	T	A	A	T	C	T	T	T	T	C	C	A	T	G	A	C	C	A	C	G	C	A	C	T	T	T	T	A	A	T	T	T	T	A	G	T	A	A	T	A	A	T	T										
2	•	•	•	•	•	•	•	•	G	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
	151	160	170	180	190	200																																																					
1	A	C	T	G	T	A	C	T	A	G	T	A	G	G	T	T	A	T	C	T	A	A	T	A	T	T	T	A	T	A	T	T	T	T	T	T	T	A	A	T	A	A	A	T	A	T	G	T											
2	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	•	A	•	C	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C	•	T	•	•	•	•	•	•	•									
3	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	A	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C	•	•	•	•	•	•	•	•	•	•	•	•						
4	•	•	•	•	•	•	T	•	•	•	•	•	•	•	•	•	A	•	T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	C	•	•	•	•	•	•	•	•	•	•	•	•	•					
	201	210	220	230	240	250																																																					
1	A	A	A	T	C	G	A	T	A	T	T	A	C	T	T	C	A	C	G	G	A	C	A	A	A	C	T	A	T	T	G	A	A	A	T	T	A	T	T	T	G	A	A	C	A	A	T	T	T										
2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
	251	260	270	280	290	300																																																					
1	T	A	C	C	A	G	C	A	A	T	T	A	T	T	T	A	T	T	A	T	T	G	C	T	T	T	C	C	T	T	C	T	T	C	T	T	A	C	G	A	T	T	A	T	T	A													
2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



**Material suplementario / Supplementary material**

301	310	320	330	340	350
1	T A C T T A T T A G A T G A A A T T A A T G A A C C T T C T A T T A C T T T A A A G G C A A T T G G				
2	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
3	. . T . . . C . T . . . . .	. . . . .	. . . . .	. . . . .	. . . . .
4	. . . . . C . T . . . . .	. . . . .	. . . . .	. . . . .	. . . . .
	*	*	*	*	*
351	360	370	380	390	400
1	A C A T C A A T G A T A T T G A A G T T A T G A A T A T T C A G A T T T T G C T A A T A T T G A A T				
2	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
3	. . . . .	. . . . . C . . . . .	. . . . . C . . . . .	. . . . . C . . . . .	. . . . . A . . . . .
4	. . . . .	. . . . . C . . . . .	. . . . . C . . . . .	. . . . . C . . . . .	. . . . . A . . . . .
	*	*	*	*	*
401	410	420	430	440	450
1	T T G A T T C A T A T A T A A T T C C T A C A A A C G A A T T A T C A A T T G A T A G A T T C C G T				
2	. . . . .	. . . . . G . . . . .	. . . . . T . . . . .	. . . . . T . . . . .	. . . . . T . . . . .
3	. . . . .	. . . . . C . . . . .	. . . . . T . . . . .	. . . . . T . . . . .	. . . . . T . . . . .
4	. . . . .	. . . . . C . . . . .	. . . . . T . . . . .	. . . . . T . . . . .	. . . . . T . . . . .
	*	*	*	*	*
451	460	470	480	490	500
1	T T A T T A G A T G T T G A T A A T C G A G T A G T T T T A C C T A T A A A T T C A C A A A T T C G				
2	C . . . . . C . . . . .	. . . . .	. . . . . C . . . . .	. . . . . A . . . . .	. . . . . T . . . . . C . . . . .
3	. . . . . C . . . . .	. . . . . C . . . . .	. . . . .	. . . . . A . . . . .	. . . . . T . . . . .
4	. . . . . C . . . . .	. . . . . C . . . . .	. . . . .	. . . . . A . . . . .	. . . . . T . . . . .
	*	*	*	*	*
501	510	520	530	540	550
1	A A T T T A G T A A C A G C A G C T G A C G T A A T T C A T T C A T G A A C T A T C C C A G C T T				
2	. . . . .	. . . . . T . . . . .	. . . . . T . . . . .	. . . . . T . . . . .	. . . . . T . . . . .
3	. . . . .	. . . . . T . . . . .	. . . . . T . . . . .	. . . . . T . . . . .	. . . . . T . . . . .
4	. . . . .	. . . . . T . . . . .	. . . . . C . . . . .	. . . . . A . . . . .	. . . . . A . . . . .
	*	*	*	*	*
551	560	570	580	590	600
1	T A G G A G T T A A G G T A G A T G G T A C T C C A G G A C G A T T A A A C C A A A C T A A T T T T				
2	. . . . . A . . . . .	. . . . . A . . . . .	. . . . . T . . . . .	. . . . . T . . . . .	. . . . . A . . . . . C . . . . .
3	. . . . . A . . . . .	. . . . .	. . . . . T . . . . .	. . . . . T . . . . .	. . . . . C . . . . .
4	. . . . . A . . . . .	. . . . .	. . . . . T . . . . .	. . . . . T . . . . .	. . . . . C . . . . .
	*	*	*	*	*

*Material suplementario / Supplementary material*

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	601		610		620		630		640		650																																												
1	T	T	A	A	T	T	A	A	C	C	G	A	C	C	T	G	G	A	T	T	A	T	T	T	A	T	G	G	A	C	A	A	T	G	T	T	C	A	G	A	A	A	T	T	T	G	T	G	G						
2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
3	.	.	.	.	.	.	.	.	T	.	.	.	.	.	.	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
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									*								*																																						
	651		660		670		680		690		700																																												
1	A	G	C	T	A	A	T	C	A	C	A	G	T	T	T	A	T	A	C	C	A	A	T	T	G	T	A	A	T	T	G	A	A	A	G	A	A	T	T	C	C	A	G	T	A	A	A	T	T						
2	.	.	.	.	.	.	.	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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									*																																														
	701		710		720		730	731																																															
1	A	C	T	T	T	A	T	C	A	A	A	T	G	A	A	T	T	T	C	T	A	A	T	A	A	T	G	T	A	A	A																								
2	.	T	.	.	.	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	G	C	.	-	-	-	.	.	.	.																				
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	*		*		*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			

*Material suplementario / Supplementary material*

**Table S35.** Alignment of ITS12 (1081-1083 bp) variants obtained for *L. caesar* (Vt1, Vt2 and Vt3). The base differences are indicated (5' → 3'). Identity is indicated with a full stop (•), changes with an asterisk (\*), gaps with a bar (–) and nucleotide notation follow IUB code. Sequences begin at the 3' end of the forward primer.

	1	10	20	30	40	50																																																
Vt1	A	A	C	C	T	G	C	G	G	A	A	G	G	A	T	C	A	T	T	A	A	T	G	T	G	T	T	C	C	T	T	A	C	C	G	A	T	C	A	A	A	T	A	C	A	A	A	T	A	T				
Vt2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Vt3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	51	60	70	80	90	100																																																
Vt1	A	T	A	T	T	A	T	A	A	T	T	A	T	T	A	T	A	A	A	T	A	T	A	T	A	A	A	A	A	A	A	A	A	A	A	A	A	T	T	G	G	C	C	A	T	T								
Vt2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Vt3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
	101	110	120	130	140	150																																																
Vt1	G	T	G	C	T	A	A	T	A	A	A	A	T	A	A	A	G	A	A	G	A	C	A	A	A	C	A	A	A	T	T	T	C	A	A	T	G	T	A	C	T	G	G	C	A	T	A	C	A					
Vt2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Vt3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	151	160	170	180	190	200																																																
Vt1	T	A	T	G	T	A	T	C	T	C	A	T	G	C	A	T	T	G	T	G	T	T	A	A	T	T	C	A	G	T	G	T	A	C	T	G	G	C	A	T	A	C	A	A	A	T	G	T	A					
Vt2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Vt3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	201	210	220	230	240	250																																																
Vt1	T	C	T	C	A	T	A	C	A	T	T	G	T	G	A	A	A	A	T	T	T	A	A	A	A	A	A	T	T	A	T	T	T	T	T	T	A	A	T	T	C	A	G	T	G	T	A	C						
Vt2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Vt3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	251	260	270	280	290	300																																																
Vt1	T	G	G	C	A	T	A	C	G	A	A	T	A	T	A	T	G	T	A	T	A	T	C	C	A	T	A	C	A	T	T	G	T	A	T	A	A	A	A	T	A	T	A	A	C	A	T	A						
Vt2	•	•	•	•	•	•	•	•	•	•	–	–	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Vt3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	301	310	320	330	340	350																																																
Vt1	C	A	A	T	T	A	T	A	G	T	T	G	T	A	C	T	T	G	T	A	T	A	A	A	A	A	T	A	T	T	A	T	A	A	A	G	A	A	G	C	C	G	A	A	A	G	G	C	T	T				
Vt2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Vt3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

*Material suplementario / Supplementary material*

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	351		360		370		380		390		400																																															
V1	C	T	T	T	T	T	T	T	T	T	A	A	T	A	A	G	T	T	A	A	A	A	T	T	G	T	T	C	T	T	T	T	T	T	A	A	A	G	A	A	C	T	A	A	G	A												
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
	401		410		420		430		440		450																																															
V1	C	A	T	T	C	G	C	A	A	C	A	A	A	C	T	T	T	G	T	A	T	G	T	T	T	A	A	A	A	T	A	T	A	A	A	A	A	T	T	A	T	T	G	A	A	G	G	A										
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
	451		460		470		480		490		500																																															
V1	A	T	T	G	A	T	A	T	A	T	G	C	C	A	A	T	T	T	G	G	T	G	T	G	T	A	T	T	T	T	G	A	T	T	T	C	T	T	T	C	A	A	T	A	A	A												
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
	501		510		520		530		540		550																																															
V1	C	A	A	A	T	T	T	A	T	G	A	A	T	T	G	C	T	A	T	T	A	A	A	A	C	A	A	A	A	T	A	A	A	T	A	A	T	A	T	A	T	C	A	C	T	C	T	A	A	G	C							
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
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	551		560		570		580		590		600																																															
V1	G	G	T	G	G	A	T	C	A	C	T	T	G	G	C	T	C	A	T	G	G	G	T	C	G	A	T	G	A	A	G	A	A	C	G	C	A	G	C	A	A	A	C	T	G	T	G	C	G	T								
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
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	601		610		620		630		640		650																																															
V1	C	A	T	C	G	T	G	T	G	A	A	C	T	G	C	A	G	G	A	C	A	C	A	T	G	A	A	C	A	T	C	G	A	C	A	T	T	T	T	G	A	A	C	G	C	A	T	A	T	C								
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
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	651		660		670		680		690		700																																															
V1	G	C	A	G	T	C	C	A	T	G	C	T	G	T	A	A	G	G	T	A	C	T	T	T	A	A	T	T	T	A	T	A	A	T	T	A	A	G	G	T	G	C	T	G	C	T	T	G	G	A								
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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***Material suplementario / Supplementary material***

	701		710		720		730		740		750																																															
V1	C	T	A	C	A	T	A	T	G	G	T	T	G	A	G	G	G	T	T	G	T	A	A	G	A	C	T	A	T	G	C	T	A	A	T	A	A	G	T	T	G	C	T	T	T	T	A	A										
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
	851		860		870		880		890		900																																															
V1	T	A	A	A	A	T	C	T	T	G	A	T	T	T	T	A	T	T	T	G	A	A	G	C	A	C	A	T	G	T	T	G	T	A	T	A	C	T	T	T	T	T																
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
	901		910		920		930		940		950																																															
V1	T	G	T	A	T	T	C	A	T	A	A	T	A	C	T	A	A	A	A	A	A	A	T	T	A	A	G	A	T	A	C	A	A	A	A	C	C	T	A	C	A	A	A	T	T	G	A	A	T	A	A							
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	851		860		870		880		890		900																																															
V1	T	A	A	G	A	G	T	A	T	T	T	A	A	T	A	T	T	C	T	T	T	T	A	T	T	T	T	A	T	T	T	A	T	T	G	A	G	A	A	G	T	C	T	A	G	C	A	T	A	A								
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
	901		910		920		930		940		950																																															
V1	A	T	T	T	T	A	T	G	A	A	A	C	T	A	G	A	A	T	T	G	C	C	T	C	T	C	T	A	A	A	T	G	A	A	A	G	A	A	T	T	T	T	A	T	T	T	G											
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
	951		960		970		980		990		1000																																															
V1	T	T	A	T	A	A	A	A	A	A	T	T	A	A	A	C	A	A	A	C	A	A	A	A	A	T	A	A	A	G	A	A	A	T	T	A	T	T	A	T	T	C	A	T	G	G	T	T	T									
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
	1001		1010		1020		1030		1040		1050																																															
V1	T	G	A	T	A	T	T	T	T	T	A	T	T	G	A	T	A	T	A	A	A	T	A	T	T	T	T	T	A	T	T	A	T	A	T	A	C	A	A	C	C	T	C	A	A	C	T	C	A	T	A							
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
	1051		1060		1070		1080		1083																																																	
V1	T	G	G	G	A	T	T	A	C	C	C	C	T	A	A	A	T	T	T	A	A	G	C	A	T	A	T	T	A	A	T	G																										
V2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.																										
V3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.																											

**Material suplementario / Supplementary material**

**Table S36.** GenBank COI barcode (658 bp), COI (616 bp) and COII (725-731 bp) sequences included in the analysis of European myiasis-causing families (Hypodermatidae, Muscidae and Calliphoridae). The table shows species, number of specimens (N), accession numbers (AN), haplotypes (H), authors, submission date (SD) and origin. The bar (-) indicates that there are no data in GenBank.

Species	N	COI barcode-COI 616 bp						COII		Authors	SD	O
		COI barcode		COI 616 bp		H	H	AN	H			
		AN	H	AN	H							
<i>H. bovis</i>	1	-	-	EU181160	H2	-	-	-	-	Guan <i>et al.</i>	25-SEP-2007	China
	2	-	-	EU181161	H5	-	-	-	-	Guan <i>et al.</i>	25-SEP-2007	China
	3	-	-	EU181162	H1	-	-	-	-	Guan <i>et al.</i>	25-SEP-2007	China
	4	-	-	EU181163	H3	-	-	-	-	Guan <i>et al.</i>	25-SEP-2007	China
	5	-	-	EU181164	H1	-	-	-	-	Guan <i>et al.</i>	25-SEP-2007	China
<i>H. lineatum</i>	1	AF295558	H2	AF295558	H2	H2	AF295558	H2	Wells & Sperling	15-AUG-2000	Canada	
	2	GU584123	H1	GU584123	H1	H1	GU584123	H1	Weigl <i>et al.</i>	29-JAN-2010	Italy	
	3	NC013932	H1	NC013932	H1	H1	NC013932	H1	Weigl <i>et al.</i>	29-JAN-2010	Italy	
<i>M. autumnalis</i>	1	KF919023	H2	KF919023	H2	H2	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium	
<i>M. domestica</i>	1	AB479528	H1	AB479528	H1	H1	AB479528	H1	Iwasa & Ishiguro	02-FEB-2009	Japan	
	2	AB479529	H1	AB479529	H1	H1	AB479529	H1	Iwasa & Ishiguro	02-FEB-2009	Japan	
	3	AY526196	H1	AY526196	H1	H1	-	-	Oliveira <i>et al.</i>	14-JAN-2004	Brazil	
	4	GQ465784	H1	GQ465784	H1	H1	-	-	Wiegmann	10-AUG-2009	USA	
	5	JX861431	H1	JX861431	H1	H1	-	-	Kim <i>et al.</i>	24-SEP-2012	Korea	
	6	JX861432	H1	JX861432	H1	H1	-	-	Kim <i>et al.</i>	24-SEP-2012	Korea	
	7	JX861433	H3	JX861433	H1	H3	-	-	Kim <i>et al.</i>	24-SEP-2012	Korea	
	8	JX861434	H1	JX861434	H1	H1	-	-	Kim <i>et al.</i>	24-SEP-2012	Korea	
	9	JX861435	H1	JX861435	H1	H1	-	-	Kim <i>et al.</i>	24-SEP-2012	Korea	
	10	KM200723	H2	KM200723	H2	H2	KM200723	H2	Li & Yang	15-JUL-2014	China	
	11	NC024855	H2	NC024855	H2	H2	NC024855	H2	Li & Yang	15-JUL-2014	China	
<i>M. sorbens</i>	1	EU627693	H1	EU627693	H1	H1	-	-	Meng <i>et al.</i>	29-MAR-2008	China	
<i>Ch. albiceps</i>	1	AF083657	H1	AF083657	H2	H2	AF083657	H4	Wells & Sperling	11-AUG-1998	Egypt	
	2	JX913736	H1	JX913736	H1	H1	JX913736	H3	Nelson <i>et al.</i>	07-OCT-2012	Zambia	
	3	KF919011	H1	KF919011	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	France	
	4	KF919013	H1	KF919013	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	France	
	5	KF919014	H1	KF919014	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	France	
	6	KF919016	H1	KF919016	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	France	
	7	NC019631	H1	NC019631	H1	H1	NC019631	H3	Nelson <i>et al.</i>	07-OCT-2012	Australia	
<i>Ch. megacephala</i>	1	AF295551	H2	AF295551	H1	H3	AF295551	H1	Wells & Sperling	15-AUG-2000	New Guinea	
	2	AJ426041	H1	AJ426041	H1	H1	AJ426041	H1	Stevens	19-DEC-2001	India	
	3	AY909052	H1	AY909052	H3	H4	AY909052	H2	Tan <i>et al.</i>	24-JAN-2005	Malaysia	
	4	AY909053	H5	AY909053	H3	H9	AY909053	H1	Tan <i>et al.</i>	25-JAN-2005	Malaysia	
	5	JN228994	H1	JN228994	H1	H1	-	-	Kavitha <i>et al.</i>	11-MAY-2011	Malaysia	
	6	JN228995	H1	JN228995	H2	H2	-	-	Kavitha <i>et al.</i>	11-MAY-2011	Malaysia	
	7	JN228996	H5	JN228996	H3	H9	-	-	Kavitha <i>et al.</i>	11-MAY-2011	Malaysia	
	8	JN228999	H3	JN228999	H4	H7	-	-	Kavitha <i>et al.</i>	11-MAY-2011	Malaysia	
	9	JN229000	H1	JN229000	H2	H2	-	-	Kavitha <i>et al.</i>	11-MAY-2011	Malaysia	
	10	JN229003	H5	JN229003	H3	H9	-	-	Kavitha <i>et al.</i>	11-MAY-2011	Malaysia	
	11	JN571566	H1	JN571566	H4	H5	-	-	Rajagopal <i>et al.</i>	10-AUG-2011	Malaysia	
	12	JX187368	H1	JX187368	H1	H1	-	-	Chong	18-JUN-2012	Malaysia	
	13	JX187369	H1	JX187369	H1	H1	-	-	Chong	18-JUN-2012	Malaysia	
	14	JX187370	H1	JX187370	H1	H1	-	-	Chong	18-JUN-2012	Malaysia	
	15	JX187371	H1	JX187371	H2	H2	-	-	Chong	18-JUN-2012	Malaysia	
	16	JX187372	H1	JX187372	H2	H2	-	-	Chong	18-JUN-2012	Malaysia	
	17	JX187373	H1	JX187373	H2	H2	-	-	Chong	18-JUN-2012	Malaysia	
	18	JX187374	H1	JX187374	H2	H2	-	-	Chong	18-JUN-2012	Malaysia	
	19	JX913738	H1	JX913738	H1	H1	JX913738	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia	
	20	JX913739	H7	JX913739	H5	H10	JX913739	H3	Nelson <i>et al.</i>	07-OCT-2012	Australia	
	21	KF037969	H1	KF037969	H1	H1	KF037969	H1	Guo <i>et al.</i>	14-MAY-2013	China	
	22	KF037970	H6	KF037970	H1	H8	KF037970	H4	Guo <i>et al.</i>	14-MAY-2013	China	
	23	KM873618	H1	KM873618	H1	H1	-	-	Park <i>et al.</i>	06-OCT-2014	Korea	
	24	KM873619	H4	KM873619	H1	H6	-	-	Park <i>et al.</i>	06-OCT-2014	Korea	
	25	NC019633	H1	NC019633	H1	H1	NC019633	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia	
<i>P. regina</i>	1	AF295550	H4	AF295550	H5	H7	AF295550	H1	Wells & Sperling	15-AUG-2000	USA	
	2	KF225240	H1	KF225240	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany	
	3	KF225241	H1	KF225241	H2	H2	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany	
	4	KF225242	H1	KF225242	H2	H2	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany	
	5	KF225243	H1	KF225243	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany	
	6	KF225244	H3	KF225244	H1	H4	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany	
	7	KF225245	H2	KF225245	H1	H3	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany	
	8	KF225246	H1	KF225246	H3	H5	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany	
	9	KF225247	H1	KF225247	H3	H5	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany	
	10	KF225248	H1	KF225248	H4	H6	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany	

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	1	AJ417702	H1	AJ417702	H13	H17	AJ417702	H2	Stevens	24-OCT-2001	UK
	2	EU880188	H2	EU880188	H11	H24	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	3	EU880189	H2	EU880189	H11	H24	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	4	EU880190	H2	EU880190	H22	H33	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	5	EU880191	H2	EU880191	H11	H24	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	6	EU880192	H1	EU880192	H23	H26	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	7	JQ307762	H11	JQ307762	H1	H14	-	-	Godfrey & Smith	15-DEC-2011	UK
	8	JX913760	H1	JX913760	H12	H15	JX913760	H1	Nelson <i>et al.</i>	07-OCT-2012	France
	9	KF225195	H18	KF225195	H6	H34	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	10	KF225196	H1	KF225196	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	11	KF225197	H1	KF225197	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	12	KF225198	H1	KF225198	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	13	KF225199	H1	KF225199	H3	H4	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	14	KF225200	H1	KF225200	H4	H5	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	15	KF225201	H1	KF225201	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	16	KF225202	H12	KF225202	H1	H18	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	17	KF225203	H3	KF225203	H1	H3	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	18	KF225204	H1	KF225204	H14	H19	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	19	KF225205	H6	KF225205	H15	H27	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	20	KF225206	H1	KF225206	H16	H20	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	21	KF225207	H1	KF225207	H7	H8	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	22	KF225208	H4	KF225208	H17	H28	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	23	KF225209	H1	KF225209	H4	H5	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	24	KF225210	H1	KF225210	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	25	KF225211	H3	KF225211	H1	H3	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	26	KF225212	H7	KF225212	H1	H9	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	27	KF225213	H1	KF225213	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	28	KF225214	H3	KF225214	H1	H3	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	29	KF225215	H1	KF225215	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	30	KF225216	H13	KF225216	H24	H36	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	31	KF225217	H1	KF225217	H18	H21	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	32	KF225218	H14	KF225218	H8	H29	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	33	KF225219	H8	KF225219	H19	H30	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	34	KF225220	H1	KF225220	H9	H10	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	35	KF225221	H1	KF225221	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	36	KF225222	H4	KF225222	H1	H6	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	37	KF225223	H1	KF225223	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	38	KF225224	H4	KF225224	H1	H6	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	39	KF225225	H17	KF225225	H1	H23	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	40	KF225226	H17	KF225226	H1	H23	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	41	KF225227	H17	KF225227	H1	H23	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	42	KF225228	H17	KF225228	H1	H23	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	43	KF225229	H19	KF225229	H1	H31	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	44	KF918981	H15	KF918981	H1	H22	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	45	KF918983	H1	KF918983	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	46	KF918984	H1	KF918984	H3	H4	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	47	KF918985	H1	KF918985	H10	H11	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	48	KF918986	H16	KF918986	H20	H35	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	49	KF918987	H1	KF918987	H3	H4	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	50	KF918989	H9	KF918989	H21	H32	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	51	KF918990	H10	KF918990	H1	H12	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	52	KF918991	H1	KF918991	H3	H4	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	53	KF918992	H5	KF918992	H1	H13	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	54	KF918993	H3	KF918993	H1	H3	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	55	KF918994	H11	KF918994	H1	H14	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	56	NC019639	H1	NC019639	H12	H15	NC019639	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia
	1	JQ307767	H1	JQ307767	H1	H1	-	-	Godfrey & Smith	15-DEC-2011	UK
	2	KF918996	H1	KF918996	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	3	KF918997	H2	KF918997	H2	H2	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	4	KF918998	H1	KF918998	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	5	KF918999	H1	KF918999	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	6	KF919000	H1	KF919000	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	7	KF919001	H1	KF919001	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	8	KF919003	H1	KF919003	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	9	KF919004	H1	KF919004	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	10	KF919006	H1	KF919006	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	11	KF919007	H1	KF919007	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	12	KF919008	H1	KF919008	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	13	KF919009	H1	KF919009	H1	H1	-	-	Sonet <i>et al.</i>	29-NOV-2013	Belgium
	1	AJ417712	H2	AJ417712	H1	H2	AJ417712	H4	Stevens	25-OCT-2001	Denmark
	2	AJ417713	H10	AJ417713	H1	H8	AJ417713	H5	Stevens	25-OCT-2001	New Zealand

*C. vicina*

*C. vomitoria*

*L. sericata*

**Material suplementario / Supplementary material**

	3	AJ417715	H1	AJ417715	H1	H1	AJ417715	H1	Stevens	25-OCT-2001	Australia
	4	AJ417716	H2	AJ417716	H1	H2	AJ417716	H7	Stevens	25-OCT-2001	Spain
	5	AJ417717	H4	AJ417717	H1	H4	AJ417717	H2	Stevens	25-OCT-2001	Zimbabwe
	6	AJ422212	H1	AJ422212	H1	H1	AJ422212	H3	Stevens	18-DEC-2001	UK
	7	EU880208	H1	EU880208	H1	H1	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	8	EU880209	H5	EU880209	H2	H9	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	9	EU880210	H2	EU880210	H1	H2	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	10	EU880211	H6	EU880211	H1	H5	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	11	EU880212	H7	EU880212	H1	H6	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	12	JQ307761	H8	JQ307761	H3	H10	-	-	Godfrey & Smith	15-DEC-2011	UK
	13	JX913754	H3	JX913754	H1	H3	JX913754	H6	Nelson <i>et al.</i>	07-OCT-2012	Australia
	14	JX913755	H1	JX913755	H1	H1	JX913755	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia
	15	JX913756	H1	JX913756	H1	H1	JX913756	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia
	16	JX913757	H3	JX913757	H1	H3	JX913757	H6	Nelson <i>et al.</i>	07-OCT-2012	USA
	17	KF225235	H9	KF225235	H1	H7	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	18	KF225236	H1	KF225236	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	19	NC009733	H1	NC009733	H1	H1	NC009733	H3	Stevens	18-DEC-2001	UK
	1	AJ417704	H1	AJ417704	H5	H2	AJ417704	H2	Stevens	24-OCT-2001	USA
	2	AJ417705	H1	AJ417705	H4	H1	-	-	Stevens	24-OCT-2001	USA
	3	AJ417706	H5	AJ417706	H1	H5	-	-	Stevens	24-OCT-2001	New Zealand
	4	AJ417707	H5	AJ417707	H2	H7	AJ417707	H1	Stevens	24-OCT-2001	Australia <sup>a</sup>
	5	AJ417710	H6	AJ417710	H3	H8	-	-	Stevens	25-OCT-2001	Australia <sup>b</sup>
	6	AJ417711	H3	AJ417711	H1	H4	-	-	Stevens	25-OCT-2001	Uganda
	7	DQ453495	H1	DQ453495	H4	H1	-	-	Wells & Stevens	19-MAR-2006	USA
	8	DQ453496	H2	DQ453496	H5	H3	-	-	Wells & Stevens	19-MAR-2006	USA
	9	JX187387	H1	JX187387	H4	H1	-	-	Chong	18-JUN-2012	Malaysia
	10	JX187388	H1	JX187388	H4	H1	-	-	Chong	18-JUN-2012	Malaysia
	11	JX187389	H1	JX187389	H4	H1	-	-	Chong	18-JUN-2012	Malaysia
	12	JX187390	H1	JX187390	H4	H1	-	-	Chong	18-JUN-2012	Malaysia
	13	JX913744	H4	JX913744	H1	H6	JX913744	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>a</sup>
	14	JX913745	H4	JX913745	H1	H6	JX913745	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>a</sup>
	15	JX913746	H4	JX913746	H1	H6	JX913746	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>a</sup>
	16	JX913747	H4	JX913747	H1	H6	JX913747	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>a</sup>
	17	JX913748	H4	JX913748	H1	H6	JX913748	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>a</sup>
	18	JX913749	H7	JX913749	H3	H9	JX913749	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>a</sup>
	19	JX913750	H1	JX913750	H5	H2	JX913750	H2	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>a</sup>
	20	JX913751	H1	JX913751	H5	H2	JX913751	H2	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>d</sup>
	21	JX913752	H1	JX913752	H5	H2	JX913752	H2	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>d</sup>
	22	JX913753	H1	JX913753	H5	H2	JX913753	H2	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>d</sup>
	23	NC019573	H4	NC019573	H1	H6	NC019573	H1	Nelson <i>et al.</i>	07-OCT-2012	Australia <sup>a</sup>
	1	DQ453487	H1	DQ453487	H1	H1	-	-	Wells & Stevens	19-MAR-2006	UK
	2	EU925394	H1	EU925394	H2	H3	-	-	Hwang <i>et al.</i>	25-JUL-2008	Korea
	3	JQ307766	H1	JQ307766	H1	H1	-	-	Godfrey & Smith	15-DEC-2011	UK
	4	KF225230	H1	KF225230	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	5	KF225231	H1	KF225231	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	6	KF225232	H1	KF225232	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	7	KF225233	H1	KF225233	H1	H1	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	8	KF225234	H2	KF225234	H1	H2	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	1	AJ417703	H20	AJ417703	H17	H30	AJ417703	H8	Stevens	24-OCT-2001	UK
	2	DQ453488	H20	DQ453488	H17	H30	-	-	Wells & Stevens	19-MAR-2006	UK
	3	EU880193	H8	EU880193	H2	H13	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	4	EU880194	H9	EU880194	H2	H14	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	5	EU880195	H3	EU880195	H2	H9	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	6	JQ307765	H12	JQ307765	H7	H16	-	-	Godfrey & Smith	15-DEC-2011	UK
	7	KF225237	H21	KF225237	H11	H26	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	8	KF225238	H19	KF225238	H16	H29	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	9	KF225239	H1	KF225239	H2	H5	-	-	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	1	AJ551445	H8	AJ551445	H10	H12	AJ551445	H2	Stevens	27-MAR-2003	UK
	2	EU880197	H2	EU880197	H2	H4	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	3	EU880198	H6	EU880198	H1	H5	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	4	EU880199	H7	EU880199	H1	H11	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	5	EU880200	H3	EU880200	H3	H6	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	6	EU880201	H4	EU880201	H4	H7	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	7	EU880202	H4	EU880202	H5	H8	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	8	EU880203	H5	EU880203	H9	H10	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	9	EU880204	H2	EU880204	H1	H2	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	10	EU880205	H5	EU880205	H6	H9	-	-	Park <i>et al.</i>	09-JUL-2008	Korea
	11	JQ307764	H1	JQ307764	H7	H3	-	-	Godfrey & Smith	15-DEC-2011	UK
	1	AJ242872	H1	AJ242872	H1	H1	AJ242872	H1	Spanos <i>et al.</i>	09-JUN-1999	Greece

<sup>a</sup>Perth; <sup>b</sup>Townsville; <sup>c</sup>Melbourne; <sup>d</sup>Brisbane



**Table S37.** GenBank ITS2 (322-352 bp) sequences included in the analysis of European myiasis-causing families (Hypodermatidae, Muscidae and Calliphoridae). The table shows species, number of specimens (N), accession number (AN), variants (Vt), authors, submission date (SD) and origin. The bar (-) indicates that there are no data in GenBank.

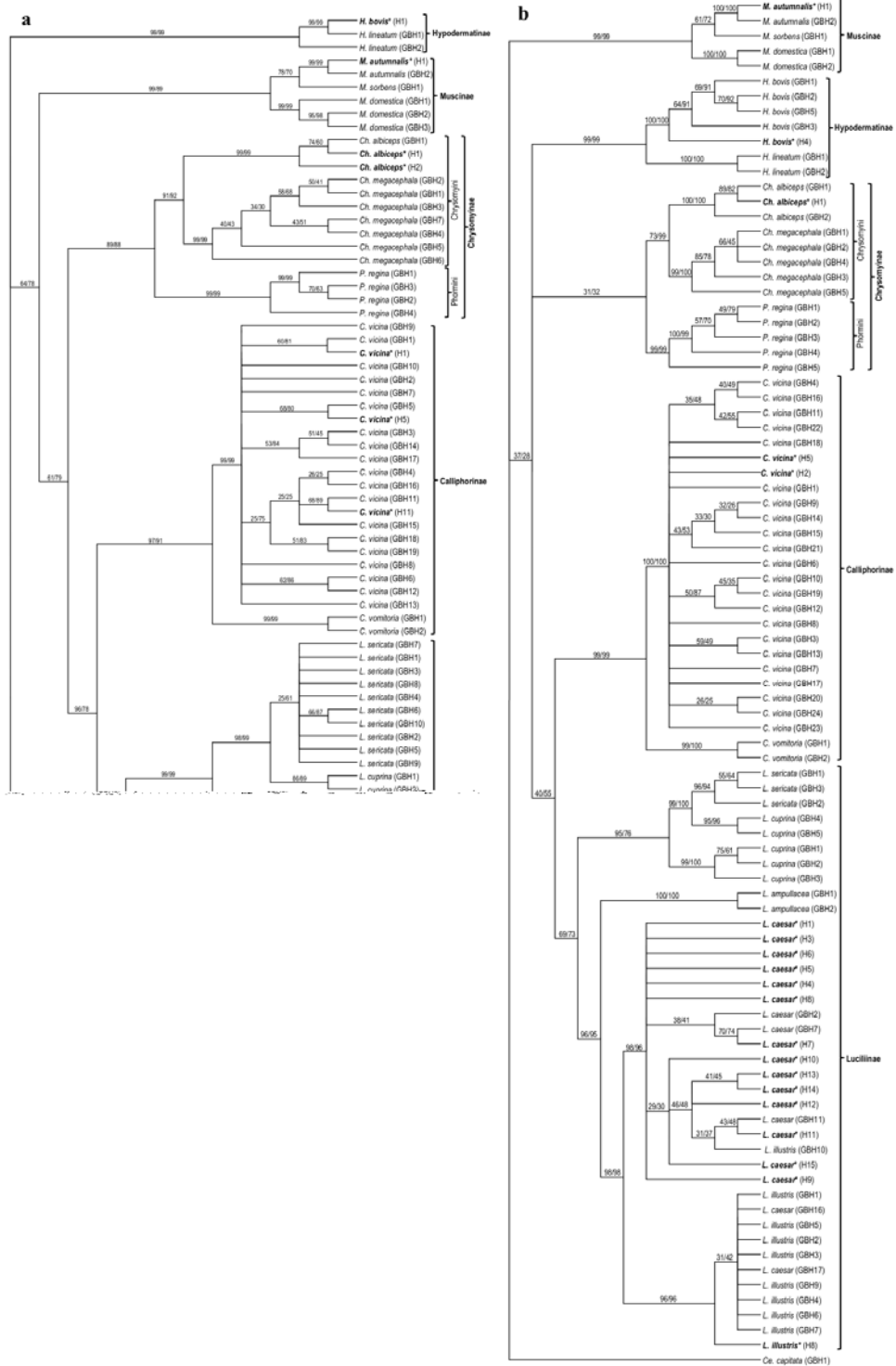
Species	N	AN	Vt	Authors	SD	Origin
<i>H. bovis</i>	-	-	-	-	-	-
<i>H. lineatum</i>	-	-	-	-	-	-
<i>M. autumnalis</i>	-	-	-	-	-	-
<i>M. domestica</i>	1	EU555395	Vt4	Hu <i>et al.</i>	10-MAR-2008	China
	2	EU555396	Vt4	Hu <i>et al.</i>	10-MAR-2008	China
	3	EU555399	Vt8	Hu <i>et al.</i>	10-MAR-2008	China
	4	EF560189	Vt10	Marinho <i>et al.</i>	16-APR-2007	Brazil
	5	JQ811271	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	6	JQ811272	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	7	JQ811273	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	8	JQ811274	Vt5	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	9	JQ811275	Vt5	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	10	JQ811276	Vt3	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	11	JQ811277	Vt3	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	12	JQ811278	Vt7	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	13	JQ811279	Vt7	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	14	JQ811280	Vt6	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	15	JQ811281	Vt6	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	16	JQ811282	Vt2	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	17	JQ811283	Vt2	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	18	JQ811284	Vt9	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	19	JQ811285	Vt9	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
<i>M. sorbens</i>	1	JQ811252	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	2	JQ811253	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	3	JQ811254	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	4	JQ811255	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	5	JQ811256	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	6	JQ811257	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	7	JQ811258	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	8	JQ811259	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	9	JQ811260	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	10	JQ811261	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	11	JQ811262	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	12	JQ811263	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	13	JQ811264	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	14	JQ811265	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	15	JQ811266	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	16	JQ811267	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	17	JQ811268	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	18	JQ811269	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	19	JQ811270	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
<i>Ch. albiceps</i>	1	EF560172	Vt1	Marinho <i>et al.</i>	16-APR-2007	Brazil
	2	EF560173	Vt1	Marinho <i>et al.</i>	16-APR-2007	Uruguay
	3	KF679781	Vt1	Oshaghi & Mostafavi	17-SEP-2013	Iran
	4	KF997758	Vt1	Grella <i>et al.</i>	21-DEC-2013	Brazil
	5	KF997759	Vt1	Grella <i>et al.</i>	21-DEC-2013	Brazil
	6	KF997760	Vt1	Grella <i>et al.</i>	21-DEC-2013	Brazil
	7	KF997761	Vt2	Grella <i>et al.</i>	21-DEC-2013	Brazil
	8	KF997762	Vt2	Grella <i>et al.</i>	21-DEC-2013	Brazil
	9	KF997763	Vt2	Grella <i>et al.</i>	21-DEC-2013	Brazil
<i>Ch. megacephala</i>	1	DQ310488	Vt1	Nelson <i>et al.</i>	30-NOV-2005	Australia
	2	EF071964	Vt1	Nelson <i>et al.</i>	20-OCT-2006	Australia
	3	EF071965	Vt1	Nelson <i>et al.</i>	20-OCT-2006	Australia
	4	EF071966	Vt1	Nelson <i>et al.</i>	20-OCT-2006	Australia
	5	EF560175	Vt1	Marinho <i>et al.</i>	16-APR-2007	Brazil
	6	FJ830688	Vt1	Morgan <i>et al.</i>	16-MAR-2009	Malaysia
	7	JQ811391	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	8	JQ811392	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	9	JQ811393	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	10	JQ811394	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	11	JQ811395	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	12	JQ811396	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	13	JQ811397	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	14	JQ811398	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand

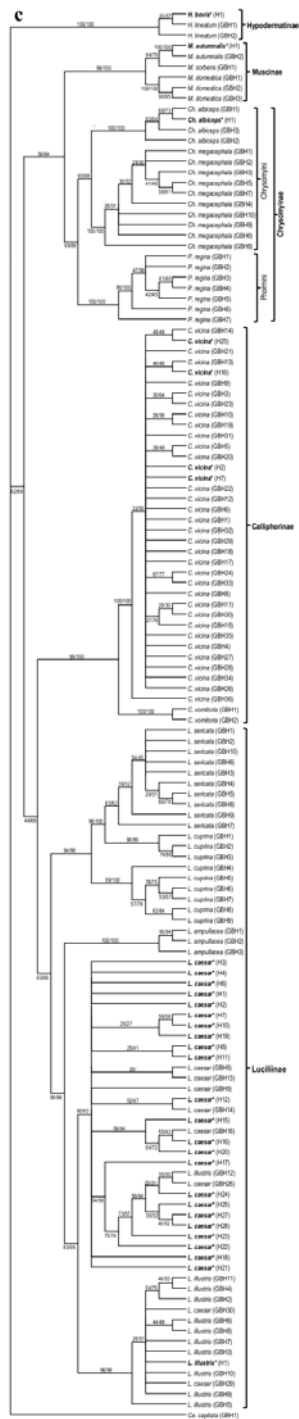
*Material suplementario / Supplementary material*

	15	JQ811399	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	16	JQ811400	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	17	JQ811401	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	18	JQ811402	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	19	JQ811403	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	20	JQ811404	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	21	JQ811405	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	22	JQ811406	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	23	JQ811407	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	24	JQ811408	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	25	JQ811409	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	26	JQ811410	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	27	JQ811411	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	28	JQ811412	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	29	JQ811413	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	30	JQ811414	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	31	JQ811415	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	32	JQ811416	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	33	JQ811417	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	34	JQ811418	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
<i>P. regina</i>	1	EF560190	Vt2	Marinho <i>et al.</i>	16-APR-2007	USA
	2	KF225303	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	3	KF225304	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	4	KF225305	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	5	KF225306	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	6	KF225307	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	7	KF225308	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	8	KF225309	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	9	KF225310	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	10	KF225311	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
<i>C. vicina</i>	1	AF498022	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	2	AF498023	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	3	AF498024	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	4	AF498025	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	5	AF498026	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	6	EF560178	Vt1	Marinho <i>et al.</i>	16-APR-2007	France
	7	KF225258	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	8	KF225259	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	9	KF225260	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	10	KF225261	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	11	KF225262	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	12	KF225263	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	13	KF225264	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	14	KF225265	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	15	KF225266	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	16	KF225267	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	17	KF225268	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	18	KF225269	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	19	KF225270	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	20	KF225271	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	21	KF225272	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	22	KF225273	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	23	KF225274	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	24	KF225275	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	25	KF225276	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	26	KF225277	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	27	KF225278	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	28	KF225279	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	29	KF225280	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	30	KF225281	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	31	KF225282	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	32	KF225283	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	33	KF225284	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	34	KF225285	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	35	KF225286	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	36	KF225287	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	37	KF225288	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	38	KF225289	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	39	KF225290	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	40	KF225291	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	41	KF225292	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany

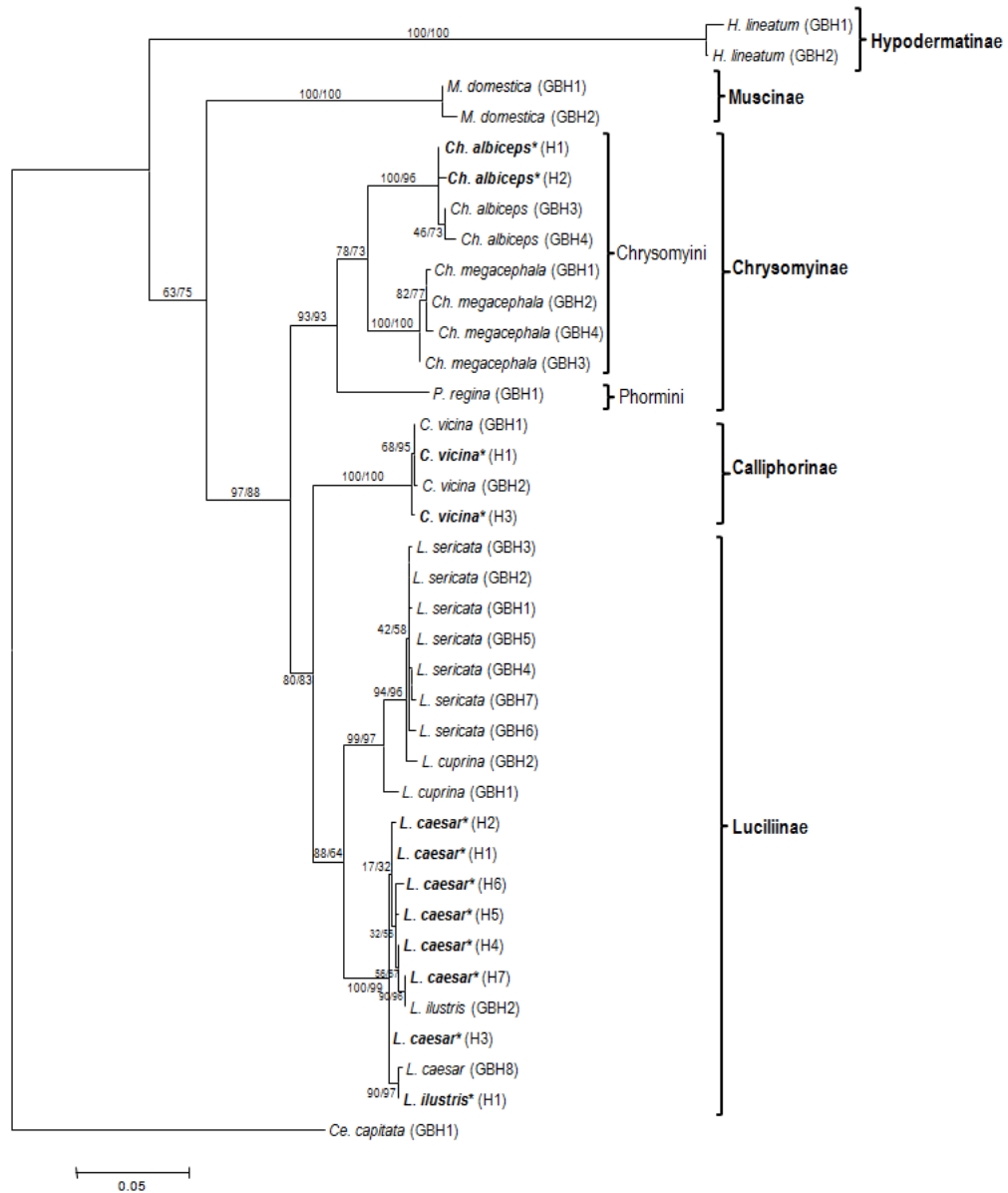
**Material suplementario / Supplementary material**

<i>C. vomitoria</i>	42	KF679779	Vt1	Oshaghi & Mostafavi	17-SEP-2013	Iran
	1	AF498018	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	2	AF498019	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	3	AF498020	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	4	AF498021	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
<i>L. sericata</i>	5	EF560179	Vt2	Marinho <i>et al.</i>	16-APR-2007	Belgium
	1	EF560187	Vt1	Marinho <i>et al.</i>	16-APR-2007	France
	2	KF225298	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	3	KF225299	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
<i>L. cuprina</i>	4	KF679780	Vt2	Oshaghi & Mostafavi	17-SEP-2013	Iran
	1	EF560185	Vt1	Marinho <i>et al.</i>	16-APR-2007	Brazil
	2	JQ811303	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	3	JQ811304	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	4	JQ811305	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	5	JQ811306	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	6	JQ811307	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	7	JQ811308	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	8	JQ811309	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	9	JQ811310	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	10	JQ811311	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	11	JQ811312	Vt2	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	12	JQ811313	Vt2	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	13	JQ811314	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	14	JQ811315	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	15	JQ811316	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	16	JQ811317	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
	<i>L. ampullacea</i>	17	JQ811318	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012
18		JQ811319	Vt1	Bhakdeenuan <i>et al.</i>	21-MAR-2012	Thailand
1		AF498027	Vt1	Pickles <i>et al.</i>	02-APR-2002	UK
2		AF498028	Vt1	Pickles <i>et al.</i>	02-APR-2002	UK
3		AF498029	Vt1	Pickles <i>et al.</i>	02-APR-2002	UK
4		AF498030	Vt1	Pickles <i>et al.</i>	02-APR-2002	UK
5		JX295788	Vt1	Sonet <i>et al.</i>	10-JUL-2012	Belgium
6		JX295789	Vt1	Sonet <i>et al.</i>	10-JUL-2012	Belgium
7		KF225293	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
8		KF225294	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
9		KF225295	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
<i>L. caesar</i>	10	KF225296	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	11	KF225297	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
	1	AF498031	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	2	AF498032	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	3	AF498033	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	4	AF498034	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
	5	JX295790	Vt1	Sonet <i>et al.</i>	10-JUL-2012	Poland
	6	JX295791	Vt1	Sonet <i>et al.</i>	10-JUL-2012	Poland
	7	JX295792	Vt1	Sonet <i>et al.</i>	10-JUL-2012	UK
	8	JX295793	Vt1	Sonet <i>et al.</i>	10-JUL-2012	UK
	9	JX295794	Vt1	Sonet <i>et al.</i>	10-JUL-2012	UK
	10	JX295795	Vt1	Sonet <i>et al.</i>	10-JUL-2012	Germany
	11	JX295796	Vt1	Sonet <i>et al.</i>	10-JUL-2012	Germany
	12	JX295797	Vt2	Sonet <i>et al.</i>	10-JUL-2012	Germany
	13	JX295798	Vt2	Sonet <i>et al.</i>	10-JUL-2012	Germany
	<i>L. illustris</i>	14	KF225300	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013
15		KF225301	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
16		KF225302	Vt1	GilArriortua <i>et al.</i>	11-JUN-2013	Germany
1		AF498035	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
2		AF498036	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
3		AF498037	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
4		AF498038	Vt1	Pickles <i>et al.</i>	02-ABR-2002	UK
5		JX295799	Vt1	Sonet <i>et al.</i>	10-JUL-2012	France
6		JX295801	Vt1	Sonet <i>et al.</i>	10-JUL-2012	Belgium
7	JX295802	Vt1	Sonet <i>et al.</i>	10-JUL-2012	Belgium	
<i>Ce. capitata</i>	8	JX295803	Vt1	Sonet <i>et al.</i>	10-JUL-2012	Germany
	9	JX295804	Vt1	Sonet <i>et al.</i>	10-JUL-2012	Belgium
	1	AF189691	Vt1	Douglas & Haymer	27-JAN-2000	Guatemala

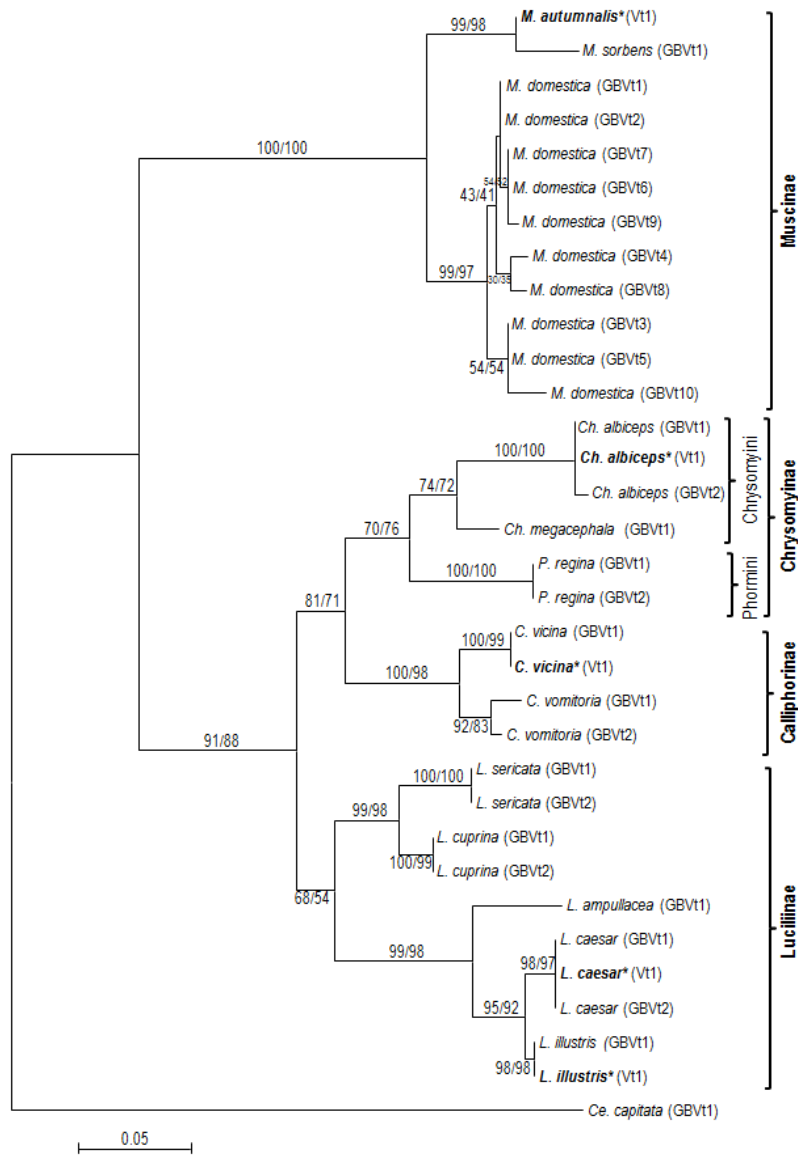




**Fig. S1.** Maximum likelihood (ML) phylogenetic reconstruction for the mitochondrial *loci*. The trees were constructed on the basis of COI barcode (658 bp) (a), COI 616 bp (b), COI barcode-COI 616 bp (1274 bp) (c), sequences of the studied species (*H. bovis*\*, *M. autumnalis*\*, *Ch. albiceps*\*, *C. vicina*\*, *L. caesar*\* and *L. illustris*\*) and close myiasis-causing species from GenBank (GB). The haplotypes were noted as H1, H2, H3, etc. The numbers shown in brackets refer to the bootstrap support (1000 iterations) for ML and maximum parsimony (MP) analysis (ML/MP). The mediterranean fruit fly *Ceratitis capitata* (Wiedemann, 1824) was used as the taxonomic out-group.



**Fig. S2.** Maximum likelihood (ML) phylogenetic reconstruction for the COII locus. The trees were constructed on the basis of COII (725-731 bp) sequences of the Calliphoridae (*Ch. albiceps\**, *C. vicina\**, *L. caesar\** and *L. illustris\**) and close myiasis-causing species from GenBank (GB). The haplotypes were noted as H1, H2 and H3. The numbers shown in brackets refer to the bootstrap support (1000 iterations) for ML and maximum parsimony (MP) analysis (ML/MP). The length of the branches is proportional to the amount of DNA that varied in the sequence, with the bar indicating substitutions per position. The mediterranean fruit fly *Ceratitis capitata* (Wiedemann, 1824) was used as the taxonomic out-group.



**Fig. S3.** Maximum likelihood (ML) phylogenetic reconstruction for the nuclear ribosomal marker. The tree was constructed on the basis of the ITS2 (310-331 bp) consensus variants of the studied species (*M. autumnalis\**, *Ch. albiceps\**, *C. vicina\**, *L. caesar\** and *L. illustris\**) and close myiasis-causing species from GenBank (GB). The variants were noted as Vt1, Vt2, Vt3, etc. The numbers shown in brackets refer to the bootstrap supports (1000 iterations) for ML and maximum parsimony (MP) analysis (ML/MP). The length of the branches is proportional to the amount of DNA that changes in the sequence, with the bar indicating substitutions per position. The mediterranean fruit fly *Ceratitis capitata* (Wiedemann, 1824) was used as the taxonomic out-group.

**Material suplementario / Supplementary material**

**Table S38.** Pairwise sequence divergence between the studied Diptera (*H. bovis*\*, *M. autumnalis*\*, *Ch. albiceps*\*, *C. vicina*\*, *L. caesar*\* and *L. illustris*\*) haplotypes for the COI barcode (658 bp). GenBank (GB) database close myiasis-causing species sequences were included for comparison. The brackets in the superscript indicate more than one sequence with same haplotypes (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
1 <i>H. bovis</i> <sup>*1</sup>	—	2.7	9.7	15.3	15.3	14.9	14.4	14.4	15.5	14.4	14.4	14.6	15.0	15.2	14.9	15.2	15.3	15.0	15.5	16.3	16.1	16.1	15.2	13.8	13.8	14.0	13.7	13.7	14.0	14.0	13.8	13.7	14.0	
2 <i>H. lineatum</i> <sup>(GB1)</sup>	18	—	7.3	16.0	16.0	14.7	14.6	14.6	15.3	15.0	15.0	15.2	15.3	15.5	15.2	15.5	15.7	15.3	15.8	16.6	16.4	16.4	15.7	13.8	13.8	13.7	13.7	13.7	14.0	14.0	13.8	13.7	14.0	
3 <i>H. lineatum</i> <sup>(GB2)</sup>	64	48	—	15.3	15.3	14.0	13.8	14.0	14.7	14.9	14.9	15.0	14.7	14.9	14.6	14.9	15.0	14.7	15.2	15.2	15.0	15.0	14.6	12.8	12.8	12.6	12.6	12.6	12.9	12.9	12.8	12.6	12.6	
4 <i>M. autumnalis</i> <sup>*1</sup>	101	105	101	—	0.6	10.6	10.8	10.9	7.0	12.2	12.2	12.0	11.7	11.9	11.9	11.6	11.4	12.0	11.9	12.8	12.6	12.8	11.1	11.9	11.9	12.0	12.0	11.7	11.7	11.7	11.7	11.7	11.7	
5 <i>M. autumnalis</i> <sup>(GB2)</sup>	101	105	101	4	—	10.3	10.5	10.6	6.7	12.5	12.5	12.3	11.9	12.0	12.0	11.7	11.6	12.2	12.0	12.9	12.8	12.9	11.2	12.0	12.0	12.2	12.2	12.2	11.9	11.9	11.9	11.9	11.9	11.9
6 <i>M. domestica</i> <sup>(GB1)</sup>	98	97	92	70	68	—	0.5	0.6	7.4	11.1	11.1	11.2	10.2	10.3	10.3	10.0	9.9	10.5	10.3	11.6	11.4	11.6	10.2	12.3	12.3	12.2	12.2	12.2	12.5	12.2	12.2	12.2	12.2	12.2
7 <i>M. domestica</i> <sup>(GB2)</sup>	95	96	91	71	69	3	—	0.2	7.9	10.9	10.9	11.1	10.0	10.2	10.2	10.2	10.3	10.3	10.5	11.7	11.6	11.7	10.3	12.8	12.8	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
8 <i>M. domestica</i> <sup>(GB3)</sup>	95	96	92	72	70	4	1	—	8.1	11.1	11.1	11.2	10.2	10.3	10.3	10.3	10.5	10.5	10.6	11.6	11.4	11.6	10.5	12.9	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
9 <i>M. sorbens</i> <sup>(GB1)</sup>	102	101	97	46	44	49	52	53	—	12.2	12.2	12.3	10.3	10.5	10.5	10.2	10.0	10.6	10.5	10.8	10.6	10.8	9.3	12.0	12.0	12.2	11.9	12.2	11.9	11.9	11.9	11.9	11.9	11.9
10 <i>Ch. albiceps</i> <sup>(GB1)</sup>	95	99	98	80	82	73	72	73	80	—	0.0	0.2	4.9	5.0	5.0	5.0	5.2	5.2	5.3	8.4	8.2	8.4	7.4	9.1	9.1	9.3	9.3	9.0	9.0	9.0	9.0	9.0	9.0	9.3
11 <i>Ch. albiceps</i> <sup>(*1)</sup>	95	99	98	80	82	73	72	73	80	0	—	0.2	4.9	5.0	5.0	5.0	5.2	5.2	5.3	8.4	8.2	8.4	7.4	9.1	9.1	9.3	9.3	9.0	9.0	9.0	9.0	9.0	9.0	9.3
12 <i>Ch. albiceps</i> <sup>(*2)</sup>	96	100	99	79	81	74	73	74	81	1	1	—	5.0	5.2	5.2	5.2	5.3	5.3	5.5	8.5	8.4	8.5	7.6	9.1	9.1	9.3	9.3	9.0	9.0	9.0	9.0	9.0	9.0	9.3
13 <i>Ch. megacephala</i> <sup>(GB1)</sup>	99	101	97	77	78	67	66	67	68	32	32	33	—	0.2	0.2	0.2	0.3	0.3	0.5	7.8	7.6	7.8	6.8	8.5	8.5	8.7	8.7	8.4	8.4	8.4	8.4	8.4	8.4	8.4
14 <i>Ch. megacephala</i> <sup>(GB2)</sup>	100	102	98	78	79	68	67	68	69	33	33	34	1	—	0.3	0.3	0.5	0.5	0.6	7.9	7.8	7.9	7.0	8.7	8.7	8.8	8.8	8.5	8.5	8.5	8.5	8.5	8.5	8.5
15 <i>Ch. megacephala</i> <sup>(GB3)</sup>	98	100	96	78	79	68	67	68	69	33	33	34	1	2	—	0.3	0.5	0.5	0.6	7.9	7.8	7.9	7.0	8.7	8.7	8.8	8.8	8.5	8.5	8.5	8.5	8.5	8.5	8.5
16 <i>Ch. megacephala</i> <sup>(GB4)</sup>	100	102	98	76	77	66	67	68	67	33	33	34	1	2	2	—	0.2	0.5	0.3	7.6	7.4	7.6	7.0	8.4	8.4	8.5	8.5	8.2	8.2	8.2	8.2	8.2	8.2	8.2
17 <i>Ch. megacephala</i> <sup>(GB5)</sup>	101	103	99	75	76	65	68	69	66	34	34	35	2	3	3	1	—	0.6	0.5	7.8	7.6	7.8	6.8	8.2	8.2	8.4	8.4	8.4	8.4	8.1	8.1	8.1	8.1	8.1
18 <i>Ch. megacephala</i> <sup>(GB6)</sup>	99	101	97	79	80	69	68	69	70	34	34	35	2	3	3	3	4	—	0.8	7.8	7.9	8.1	7.1	8.5	8.5	8.7	8.7	8.4	8.4	8.4	8.4	8.4	8.7	8.4
19 <i>Ch. megacephala</i> <sup>(GB7)</sup>	102	104	100	78	79	68	69	70	69	35	35	36	3	4	4	2	3	5	—	7.9	7.8	7.9	7.0	8.7	8.7	8.8	8.8	8.5	8.5	8.5	8.5	8.5	8.5	8.5
20 <i>P. regina</i> <sup>(GB1)</sup>	107	109	100	84	85	76	77	76	71	55	55	56	51	52	52	50	51	51	52	—	0.2	0.3	4.3	9.1	9.1	9.3	9.3	9.0	9.0	9.0	9.0	9.3	9.0	9.3
21 <i>P. regina</i> <sup>(GB2)</sup>	106	108	99	83	84	75	76	75	70	54	54	55	50	51	51	49	50	52	51	1	—	0.2	4.1	9.3	9.3	9.4	9.4	9.1	9.1	9.1	9.1	9.1	9.1	9.1
22 <i>P. regina</i> <sup>(GB3)</sup>	106	108	99	84	85	76	77	76	71	55	55	56	51	52	52	50	51	53	52	2	1	—	4.3	9.4	9.4	9.6	9.6	9.3	9.3	9.3	9.3	9.3	9.3	9.3
23 <i>P. regina</i> <sup>(GB4)</sup>	100	103	96	73	74	67	68	69	61	49	49	50	45	46	46	46	45	47	46	28	27	28	—	8.7	8.7	8.8	8.8	8.8	8.5	8.5	8.5	8.5	8.8	8.8
24 <i>C. vicina</i> <sup>(GB1)</sup>	91	91	84	78	79	81	84	85	79	60	60	60	56	57	57	55	54	56	57	60	61	62	57	—	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
25 <i>C. vicina</i> <sup>(*1)</sup>	91	91	84	78	79	81	84	85	79	60	60	60	56	57	57	55	54	56	57	60	61	62	57	0	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26 <i>C. vicina</i> <sup>(GB2)</sup>	92	90	83	79	80	80	83	84	80	61	61	61	57	58	58	56	55	57	58	61	62	63	58	1	1	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27 <i>C. vicina</i> <sup>(GB3)</sup>	90	90	83	79	80	80	83	84	78	61	61	61	57	58	58	56	55	57	58	61	62	63	58	1	1	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28 <i>C. vicina</i> <sup>(GB4)</sup>	90	90	83	79	80	82	83	84	80	59	59	59	55	56	56	54	55	55	56	59	60	61	58	1	1	2	2	—	0.3	0.3	0.3	0.3	0.3	0.3
29 <i>C. vicina</i> <sup>(GB5)</sup>	92	92	85	77	78	80	83	84	78	59	59	59	55	56	56	54	53	55	56	59	60	61	56	1	1	2	2	2	—	0.0	0.3	0.3	0.3	0.3
30 <i>C. vicina</i> <sup>(*5)</sup>	92	92	85	77	78	80	83	84	78	59	59	59	55	56	56	54	53	55	56	59	60	61	56	1	1	2	2	2	0	—	0.3	0.3	0.3	
31 <i>C. vicina</i> <sup>(GB6)</sup>	91	91	84	77	78	80	83	84	78	59	59	59	55	56	56	54	53	55	56	59	60	61	56	1	1	2	2	2	2	—	0.3	0.3	0.3	0.3
32 <i>C. vicina</i> <sup>(GB7)</sup>	90	90	83	77	78	80	83	84	78	59	59	59	55	56	56	54	53	57	56	61	60	61	56	1	1	2	2	2	2	2	—	0.3	0.3	0.3
33 <i>C. vicina</i> <sup>(GB8)</sup>	92	92	83	77	78	80	83	84	78	61	61	61	55	56	56	54	53	55	56	59	60	61	58	1	1	2	2	2	2	2	2	2	2	—

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII.



*Material suplementario / Supplementary material*

**Table S38.** (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
34 <i>C. vicina</i> <sup>GB9</sup>	92	92	85	79	80	82	85	86	80	61	61	61	57	58	58	56	55	57	58	61	62	63	58	1	1	2	2	2	2	2	2	2	2	2
35 <i>C. vicina</i> <sup>GB10</sup>	91	91	84	79	80	82	85	86	80	61	61	61	57	58	58	56	55	57	58	61	62	63	58	1	1	2	2	2	2	2	2	2	2	2
36 <i>C. vicina</i> <sup>GB11</sup>	91	91	84	80	81	83	84	85	81	60	60	60	56	57	57	55	56	56	57	58	59	60	57	2	2	3	3	1	3	3	3	3	3	3
37 <i>C. vicina</i> <sup>*11</sup>	91	91	84	80	81	83	84	85	81	60	60	60	56	57	57	55	56	56	57	58	59	60	57	2	2	3	3	1	3	3	3	3	3	3
38 <i>C. vicina</i> <sup>GB12</sup>	90	90	83	78	79	81	84	85	79	60	60	60	56	57	57	55	54	56	57	60	61	62	57	2	2	3	3	3	3	3	1	3	3	3
39 <i>C. vicina</i> <sup>GB13</sup>	90	90	83	79	80	82	83	84	80	58	58	58	54	55	55	53	54	54	55	58	59	60	57	2	2	3	3	1	3	3	3	3	3	3
40 <i>C. vicina</i> <sup>GB14</sup>	89	89	82	80	81	81	84	85	79	62	62	62	58	59	57	57	56	58	59	62	63	64	59	2	2	3	1	3	3	3	3	3	3	3
41 <i>C. vicina</i> <sup>GB15</sup>	91	91	84	78	79	83	84	85	81	60	60	60	56	57	57	55	56	56	57	60	61	62	57	2	2	3	3	1	3	3	3	3	3	3
42 <i>C. vicina</i> <sup>GB16</sup>	91	91	84	80	81	83	84	85	81	60	60	60	56	57	57	55	56	56	57	60	61	62	59	2	2	3	3	1	3	3	3	3	3	3
43 <i>C. vicina</i> <sup>GB17</sup>	92	92	85	81	82	82	85	86	80	61	61	61	59	60	60	58	57	59	60	62	63	64	60	3	3	4	2	4	4	4	4	4	4	4
44 <i>C. vicina</i> <sup>GB18</sup>	92	92	85	80	81	83	84	85	81	58	58	58	56	57	57	55	56	56	57	59	60	61	59	3	3	4	4	2	4	4	4	4	4	4
45 <i>C. vicina</i> <sup>GB19</sup>	92	92	85	80	81	83	84	85	81	60	60	60	56	57	57	55	56	56	57	60	61	62	59	3	3	4	4	2	4	4	4	4	4	4
46 <i>C. vomitoria</i> <sup>GB1</sup>	92	91	84	76	76	72	75	76	71	62	62	62	58	59	59	57	56	58	59	64	65	66	61	28	28	27	27	29	27	27	27	29	29	29
47 <i>C. vomitoria</i> <sup>GB2</sup>	95	94	85	74	74	72	75	76	71	63	63	63	57	58	58	56	55	57	58	63	64	65	62	29	29	28	30	30	28	28	28	30	28	28
48 <i>L. sericata</i> <sup>GB1</sup>	89	90	80	76	77	75	78	79	69	68	68	68	57	58	58	56	55	57	58	64	63	64	61	42	42	43	41	43	41	41	41	41	41	41
49 <i>L. sericata</i> <sup>GB2</sup>	88	89	79	77	78	76	77	78	70	67	67	67	56	57	57	55	56	56	57	63	62	63	62	43	43	44	42	42	42	42	42	42	42	42
50 <i>L. sericata</i> <sup>GB3</sup>	90	91	81	77	78	74	77	78	70	69	69	69	58	59	59	57	56	58	59	65	64	65	62	43	43	44	42	44	42	42	42	42	42	42
51 <i>L. sericata</i> <sup>GB4</sup>	90	91	81	77	78	74	77	78	68	69	69	69	56	57	57	55	54	56	57	65	64	65	62	43	43	44	42	44	42	42	42	42	42	42
52 <i>L. sericata</i> <sup>GB5</sup>	88	89	79	75	76	74	77	78	70	67	67	67	58	59	59	57	56	58	59	63	62	63	60	41	41	42	40	42	40	40	40	40	40	40
53 <i>L. sericata</i> <sup>GB6</sup>	88	89	79	77	78	76	77	78	70	67	67	67	56	57	57	57	56	56	59	65	64	65	60	43	43	44	42	44	42	42	42	42	42	42
54 <i>L. sericata</i> <sup>GB7</sup>	90	91	81	77	78	76	79	80	70	69	69	69	58	59	59	57	56	58	59	65	64	65	62	43	43	44	42	44	42	42	42	42	42	42
55 <i>L. sericata</i> <sup>GB8</sup>	90	91	81	75	76	76	79	80	70	69	69	69	58	59	59	57	56	58	59	65	64	65	60	43	43	44	42	44	42	42	42	42	42	42
56 <i>L. sericata</i> <sup>GB9</sup>	90	91	81	75	76	76	79	80	70	67	67	67	56	57	57	55	54	56	57	63	62	63	60	41	41	42	42	42	40	40	40	40	40	40
57 <i>L. sericata</i> <sup>GB10</sup>	89	90	80	78	79	76	77	78	71	68	68	68	57	58	58	58	57	57	60	66	65	66	61	44	44	45	43	45	43	43	43	43	43	43
58 <i>L. cuprina</i> <sup>GB1</sup>	91	92	82	78	79	77	78	79	71	69	69	69	57	58	58	56	57	57	58	64	63	64	63	46	46	47	45	45	45	45	45	45	45	45
59 <i>L. cuprina</i> <sup>GB2</sup>	92	93	83	77	78	76	79	80	70	70	70	70	58	59	59	57	56	58	59	65	64	65	62	45	45	46	44	46	44	44	44	44	44	44
60 <i>L. cuprina</i> <sup>GB3</sup>	91	89	81	78	79	80	83	84	77	65	65	65	60	61	61	59	58	60	61	71	70	71	65	41	41	42	42	42	40	40	42	40	40	40
61 <i>L. cuprina</i> <sup>GB4</sup>	90	88	80	80	81	80	81	82	77	67	67	67	62	63	63	63	62	62	65	74	73	74	66	44	44	45	43	45	43	43	45	43	43	43
62 <i>L. cuprina</i> <sup>GB5</sup>	90	88	80	79	80	81	82	83	78	65	65	65	60	61	61	61	60	60	63	72	71	72	64	42	42	43	43	43	41	41	41	43	41	41
63 <i>L. cuprina</i> <sup>GB6</sup>	90	88	80	79	80	81	82	83	78	64	64	64	59	60	60	60	59	59	62	72	71	72	64	42	42	43	43	43	41	41	43	41	41	41
64 <i>L. cuprina</i> <sup>GB7</sup>	91	89	81	80	81	82	83	84	79	65	65	65	60	61	61	61	60	60	63	73	72	73	65	43	43	44	44	44	42	42	44	42	42	42
65 <i>L. ampullacea</i> <sup>GB1</sup>	96	97	92	76	76	78	81	80	77	72	72	72	64	65	65	63	62	64	65	68	69	70	68	47	47	48	48	48	48	48	48	46	48	46
66 <i>L. ampullacea</i> <sup>GB2</sup>	95	97	92	77	77	78	81	80	77	72	72	72	64	65	65	63	62	64	65	68	69	70	68	47	47	48	48	48	48	48	48	46	48	46

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII.

**Material suplementario / Supplementary material**

**Table S38. (Continued)**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
67 <i>L. caesar</i> <sup>GB1</sup>	92	90	82	72	72	67	68	69	70	57	57	57	53	54	54	52	53	53	54	62	63	64	61	39	39	40	40	38	40	40	38	40	38
68 <i>L. caesar</i> <sup>(*)1</sup>	92	90	82	72	72	67	68	69	70	57	57	57	53	54	54	52	53	53	54	62	63	64	61	39	39	40	40	38	40	40	38	40	38
69 <i>L. caesar</i> <sup>(*)2</sup>	93	91	83	71	71	66	69	70	69	58	58	58	54	55	55	53	52	54	55	63	64	65	60	38	38	39	39	39	39	39	37	39	37
70 <i>L. caesar</i> <sup>GB3</sup>	91	89	81	73	73	68	69	70	71	58	58	58	54	55	55	53	54	54	55	63	64	65	62	40	40	41	41	39	41	41	39	41	39
71 <i>L. caesar</i> <sup>(*)4</sup>	91	89	81	73	73	68	67	68	71	56	56	56	52	53	53	53	54	52	55	63	64	65	60	40	40	41	41	39	41	41	39	41	39
72 <i>L. caesar</i> <sup>(*)5</sup>	92	90	82	72	72	67	70	71	70	59	59	59	55	56	56	54	53	55	56	64	65	66	61	39	39	40	40	40	40	40	38	40	38
73 <i>L. caesar</i> <sup>(*)6</sup>	94	92	84	72	72	67	70	71	70	58	58	58	54	55	55	53	52	54	55	63	64	65	60	37	37	38	38	38	38	38	36	38	36
74 <i>L. caesar</i> <sup>(*)7</sup>	94	92	84	72	72	67	70	71	68	59	59	59	53	54	54	52	51	53	54	64	65	66	61	39	39	40	40	40	40	40	38	40	38
75 <i>L. caesar</i> <sup>GB8</sup>	94	92	85	73	73	68	71	70	71	60	60	60	56	57	57	55	54	56	55	63	64	65	60	40	40	41	41	41	41	41	39	41	39
76 <i>L. caesar</i> <sup>GB9</sup>	93	91	83	73	73	68	71	72	71	60	60	60	56	57	57	55	54	56	57	63	64	65	60	40	40	41	41	41	41	41	39	41	39
77 <i>L. caesar</i> <sup>(*)9</sup>	93	91	83	73	73	68	71	72	71	60	60	60	56	57	57	55	54	56	57	63	64	65	60	40	40	41	41	41	41	41	39	41	39
78 <i>L. caesar</i> <sup>(*)10</sup>	93	89	81	73	73	66	67	68	71	58	58	58	54	55	55	55	54	54	57	65	66	67	60	40	40	40	39	41	41	41	39	41	39
79 <i>L. caesar</i> <sup>(*)11</sup>	92	90	83	73	73	68	71	70	71	60	60	60	56	57	57	55	54	56	57	63	64	65	62	40	40	41	41	41	41	41	39	41	39
80 <i>L. caesar</i> <sup>GB12</sup>	91	91	84	74	74	67	70	69	70	59	59	59	55	56	56	54	53	55	56	62	63	64	61	41	41	42	42	42	42	42	40	42	40
81 <i>L. caesar</i> <sup>(*)12</sup>	91	91	84	74	74	67	70	69	70	59	59	59	55	56	56	54	53	55	56	62	63	64	61	41	41	42	42	42	42	42	40	42	40
82 <i>L. caesar</i> <sup>(*)13</sup>	91	89	82	72	72	69	72	71	72	61	61	61	57	58	58	56	55	57	58	64	65	66	63	41	41	42	42	42	42	42	40	42	40
83 <i>L. caesar</i> <sup>(*)14</sup>	94	91	83	74	74	68	71	72	70	61	61	61	55	56	56	54	53	55	56	66	67	68	63	41	41	42	42	42	42	42	40	42	40
84 <i>L. caesar</i> <sup>(*)15</sup>	94	92	85	75	75	70	73	72	71	62	62	62	56	57	57	55	54	56	57	65	66	67	64	42	42	43	43	43	43	43	41	43	41
85 <i>L. caesar</i> <sup>(*)16</sup>	90	90	83	75	75	68	69	68	71	58	58	58	54	55	55	55	54	54	57	63	64	65	60	42	42	43	43	43	43	43	41	43	41
86 <i>L. caesar</i> <sup>(*)17</sup>	91	91	81	75	75	66	67	68	71	56	56	56	52	53	53	53	52	52	55	63	64	65	58	42	42	43	43	43	43	41	43	41	
87 <i>L. caesar</i> <sup>(*)18</sup>	95	93	86	76	76	71	74	73	72	63	63	63	57	58	58	56	55	57	58	66	67	68	65	43	43	44	44	44	44	44	42	44	42
88 <i>L. caesar</i> <sup>GB19</sup>	90	88	81	72	72	69	70	71	71	59	59	59	53	54	54	52	53	53	54	63	64	65	61	41	41	42	42	42	42	42	40	42	42
89 <i>L. caesar</i> <sup>GB20</sup>	91	89	82	73	73	68	69	70	72	60	60	60	54	55	55	53	54	54	55	64	65	66	62	42	42	43	43	41	43	43	41	43	43
90 <i>L. caesar</i> <sup>GB21</sup>	95	93	86	77	77	72	75	74	73	64	64	64	58	59	59	57	56	58	59	67	68	67	66	44	44	45	45	45	45	45	43	45	43
91 <i>L. caesar</i> <sup>(*)22</sup>	95	93	86	77	77	72	75	74	73	64	64	64	58	59	59	57	56	58	59	67	68	69	66	44	44	45	45	45	45	45	43	45	43
92 <i>L. caesar</i> <sup>(*)23</sup>	94	94	87	77	77	72	75	74	73	64	64	64	58	59	59	57	56	58	59	67	68	69	66	44	44	45	45	45	45	45	43	45	43
93 <i>L. illustris</i> <sup>GB1</sup>	91	89	82	73	73	68	69	70	72	60	60	60	54	55	55	53	54	54	55	64	65	66	62	42	42	43	43	41	43	43	41	43	43
94 <i>L. illustris</i> <sup>(*)1</sup>	91	89	82	73	73	68	69	70	72	60	60	60	54	55	55	53	54	54	55	64	65	66	62	42	42	43	43	41	43	43	41	43	43
95 <i>L. illustris</i> <sup>GB2</sup>	90	88	81	72	72	67	68	69	71	59	59	59	55	56	56	54	55	55	56	65	66	67	61	41	41	42	42	42	42	42	40	42	42
96 <i>L. illustris</i> <sup>GB3</sup>	90	88	81	74	74	67	68	69	71	61	61	61	55	56	56	54	55	55	56	65	66	67	63	43	43	44	42	42	44	44	42	44	44
97 <i>L. illustris</i> <sup>GB4</sup>	92	90	83	72	72	67	70	71	71	61	61	61	55	56	56	54	53	55	56	65	66	67	61	41	41	42	42	42	42	42	40	42	42
98 <i>L. illustris</i> <sup>GB5</sup>	90	88	81	72	72	69	70	71	71	59	59	59	53	54	54	52	53	53	54	63	64	65	61	41	41	42	42	42	42	42	40	42	42
99 <i>L. illustris</i> <sup>GB6</sup>	89	87	81	73	73	68	69	70	71	58	58	58	52	53	53	51	52	52	53	62	63	64	60	40	40	41	41	39	41	41	39	41	41
100 <i>L. illustris</i> <sup>GB7</sup>	93	89	82	73	73	64	67	68	70	62	62	62	56	57	57	55	54	56	57	68	69	70	62	42	42	41	43	43	43	43	41	43	43
101 <i>L. illustris</i> <sup>GB8</sup>	96	94	87	75	75	70	73	72	71	62	62	62	58	59	59	57	56	58	59	65	66	67	64	44	44	45	45	45	45	45	43	45	43

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII.

*Material suplementario / Supplementary material*

**Table S38.** (Continued)

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66			
1 <i>H. bovis</i> <sup>1</sup>	14.0	13.8	13.8	13.8	13.7	13.7	13.5	13.8	13.8	14.0	14.0	14.0	14.0	14.4	13.5	13.4	13.7	13.7	13.4	13.4	13.7	13.7	13.5	13.8	14.0	13.8	13.7	13.7	13.7	13.8	14.6	14.4				
2 <i>H. lineatum</i> <sup>(GB1)</sup>	14.0	13.8	13.8	13.8	13.7	13.7	13.5	13.8	13.8	14.0	14.0	14.0	13.8	14.3	13.7	13.5	13.8	13.8	13.5	13.5	13.8	13.8	13.8	13.7	14.0	14.1	13.5	13.4	13.4	13.4	13.5	14.7	14.7			
3 <i>H. lineatum</i> <sup>(GB2)</sup>	12.9	12.8	12.8	12.8	12.6	12.6	12.5	12.8	12.8	12.9	12.9	12.9	12.8	12.9	12.2	12.0	12.3	12.3	12.0	12.0	12.3	12.3	12.3	12.2	12.5	12.6	12.3	12.2	12.2	12.2	12.3	14.0	14.0			
4 <i>M. autumnalis</i> <sup>*1</sup>	12.0	12.0	12.2	12.2	11.9	12.0	12.2	11.9	12.2	12.3	12.2	12.2	11.6	11.2	11.6	11.7	11.7	11.7	11.4	11.7	11.7	11.4	11.4	11.9	11.9	11.7	11.9	12.2	12.0	12.0	12.2	11.6	11.7			
5 <i>M. autumnalis</i> <sup>(GB2)</sup>	12.2	12.2	12.3	12.3	12.0	12.2	12.3	12.0	12.3	12.5	12.3	12.3	11.6	11.2	11.7	11.9	11.9	11.9	11.6	11.9	11.9	11.6	11.6	12.0	12.0	11.9	12.0	12.3	12.2	12.2	12.3	11.6	11.7			
6 <i>M. domestica</i> <sup>(GB1)</sup>	12.5	12.5	12.6	12.6	12.3	12.5	12.3	12.6	12.6	12.5	12.6	12.6	10.9	10.9	11.4	11.6	11.2	11.2	11.2	11.6	11.6	11.6	11.6	11.6	11.7	11.6	12.2	12.2	12.3	12.3	12.5	11.9	11.9			
7 <i>M. domestica</i> <sup>(GB2)</sup>	12.9	12.9	12.8	12.8	12.8	12.6	12.8	12.8	12.8	12.9	12.8	12.8	11.4	11.4	11.9	11.7	11.7	11.7	11.7	11.7	12.0	12.0	12.0	11.7	11.9	12.0	12.6	12.3	12.5	12.5	12.6	12.3	12.3			
8 <i>M. domestica</i> <sup>(GB3)</sup>	13.1	13.1	12.9	12.9	12.9	12.8	12.9	12.9	12.9	13.1	12.9	12.9	11.6	11.6	12.0	11.9	11.9	11.9	11.9	11.9	11.9	12.2	12.2	12.2	11.9	12.0	12.2	12.8	12.5	12.6	12.6	12.8	12.2	12.2		
9 <i>M. sorbens</i> <sup>(GB1)</sup>	12.2	12.2	12.3	12.3	12.0	12.2	12.0	12.3	12.3	12.2	12.3	12.3	10.8	10.8	10.5	10.6	10.6	10.3	10.6	10.6	10.6	10.6	10.6	10.6	10.8	10.8	10.6	11.7	11.7	11.9	11.9	12.0	11.7	11.7		
10 <i>Ch. albiceps</i> <sup>(GB1)</sup>	9.3	9.3	9.1	9.1	9.1	8.8	9.4	9.1	9.1	9.3	8.8	9.1	9.4	9.6	10.3	10.2	10.5	10.5	10.2	10.2	10.5	10.5	10.2	10.3	10.5	10.6	9.9	10.2	9.9	9.7	9.9	10.9	10.9			
11 <i>Ch. albiceps</i> <sup>(*1)</sup>	9.3	9.3	9.1	9.1	9.1	8.8	9.4	9.1	9.1	9.3	8.8	9.1	9.4	9.6	10.3	10.2	10.5	10.5	10.2	10.2	10.5	10.5	10.2	10.3	10.5	10.6	9.9	10.2	9.9	9.7	9.9	10.9	10.9			
12 <i>Ch. albiceps</i> <sup>*2</sup>	9.3	9.3	9.1	9.1	9.1	8.8	9.4	9.1	9.1	9.3	8.8	9.1	9.4	9.6	10.3	10.2	10.5	10.5	10.2	10.2	10.5	10.5	10.2	10.3	10.5	10.6	9.9	10.2	9.9	9.7	9.9	10.9	10.9			
13 <i>Ch. megacephala</i> <sup>(GB1)</sup>	8.7	8.7	8.5	8.5	8.5	8.2	8.8	8.5	8.5	9.0	8.5	8.5	8.8	8.7	8.7	8.5	8.8	8.5	8.8	8.5	8.8	8.8	8.5	8.8	8.8	8.5	8.7	8.7	8.8	9.1	9.4	9.1	9.0	9.1	9.7	9.7
14 <i>Ch. megacephala</i> <sup>(GB2)</sup>	8.8	8.8	8.7	8.7	8.7	8.4	9.0	8.7	8.7	9.1	8.7	8.7	9.0	8.8	8.8	8.7	9.0	8.7	9.0	8.7	9.0	9.0	8.7	8.8	8.8	9.0	9.3	9.6	9.3	9.1	9.3	9.9	9.9	9.9		
15 <i>Ch. megacephala</i> <sup>(GB3)</sup>	8.8	8.8	8.7	8.7	8.7	8.4	8.7	8.7	8.7	9.1	8.7	8.7	9.0	8.8	8.8	8.7	9.0	8.7	9.0	8.7	9.0	9.0	8.7	8.8	8.8	9.0	9.3	9.6	9.3	9.1	9.3	9.9	9.9	9.9		
16 <i>Ch. megacephala</i> <sup>(GB4)</sup>	8.5	8.5	8.4	8.4	8.4	8.1	8.7	8.4	8.4	8.8	8.4	8.4	8.7	8.5	8.5	8.4	8.7	8.4	8.7	8.7	8.7	8.7	8.7	8.4	8.8	8.5	8.7	9.0	9.6	9.3	9.1	9.3	9.6	9.6		
17 <i>Ch. megacephala</i> <sup>(GB5)</sup>	8.4	8.4	8.5	8.5	8.2	8.2	8.5	8.5	8.5	8.7	8.5	8.5	8.5	8.4	8.4	8.5	8.5	8.2	8.5	8.5	8.5	8.5	8.5	8.2	8.7	8.7	8.5	8.8	9.4	9.1	9.0	9.1	9.4	9.4		
18 <i>Ch. megacephala</i> <sup>(GB6)</sup>	8.7	8.7	8.5	8.5	8.5	8.2	8.8	8.5	8.5	9.0	8.5	8.5	8.8	8.7	8.7	8.5	8.8	8.5	8.8	8.5	8.8	8.8	8.5	8.7	8.8	9.1	9.4	9.1	9.0	9.1	9.1	9.7	9.7	9.7		
19 <i>Ch. megacephala</i> <sup>(GB7)</sup>	8.8	8.8	8.7	8.7	8.7	8.4	9.0	8.7	8.7	9.1	8.7	8.7	9.0	8.8	8.8	8.7	9.0	8.7	9.0	9.0	9.0	9.0	9.0	8.7	9.1	8.8	9.0	9.3	9.9	9.6	9.4	9.6	9.9	9.9		
20 <i>P. regina</i> <sup>(GB1)</sup>	9.3	9.3	8.8	8.8	9.1	8.8	9.4	9.1	9.1	9.4	9.0	9.1	9.7	9.6	9.7	9.6	9.9	9.9	9.6	9.9	9.9	9.9	9.9	9.6	10.0	9.7	9.9	10.8	11.2	10.9	10.9	11.1	10.3	10.3		
21 <i>P. regina</i> <sup>(GB2)</sup>	9.4	9.4	9.0	9.0	9.3	9.0	9.6	9.3	9.3	9.6	9.1	9.3	9.9	9.7	9.6	9.4	9.7	9.7	9.4	9.7	9.7	9.7	9.7	9.4	9.9	9.6	9.7	10.6	11.1	10.8	10.8	10.9	10.5	10.5		
22 <i>P. regina</i> <sup>(GB3)</sup>	9.6	9.6	9.1	9.1	9.4	9.1	9.7	9.4	9.4	9.7	9.3	9.4	10.0	9.9	9.7	9.6	9.9	9.9	9.6	9.9	9.9	9.9	9.9	9.6	10.0	9.7	9.9	10.8	11.2	10.9	10.9	11.1	10.6	10.6		
23 <i>P. regina</i> <sup>(GB4)</sup>	8.8	8.8	8.7	8.7	8.7	8.7	9.0	8.7	9.0	9.1	9.0	9.0	9.3	9.4	9.3	9.4	9.4	9.4	9.1	9.1	9.1	9.4	9.1	9.1	9.3	9.6	9.4	9.9	10.0	9.7	9.7	9.9	10.3	10.3		
24 <i>C. vicina</i> <sup>(GB1)</sup>	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	4.3	4.4	6.4	6.5	6.5	6.5	6.2	6.5	6.5	6.5	6.5	6.2	6.7	7.0	6.8	6.2	6.7	6.4	6.4	6.5	7.1	7.1		
25 <i>C. vicina</i> <sup>(*1)</sup>	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	4.3	4.4	6.4	6.5	6.5	6.5	6.2	6.5	6.5	6.5	6.5	6.2	6.7	7.0	6.8	6.2	6.7	6.4	6.4	6.5	7.1	7.1		
26 <i>C. vicina</i> <sup>(GB2)</sup>	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.1	4.3	6.5	6.7	6.7	6.7	6.4	6.7	6.7	6.7	6.7	6.4	6.8	7.1	7.0	6.4	6.8	6.5	6.5	6.7	7.3	7.3		
27 <i>C. vicina</i> <sup>(GB3)</sup>	0.3	0.3	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.3	0.6	0.6	4.1	4.6	6.2	6.4	6.4	6.4	6.1	6.4	6.4	6.4	6.4	6.4	6.5	6.8	6.7	6.4	6.5	6.5	6.5	6.7	7.3	7.3		
28 <i>C. vicina</i> <sup>(GB4)</sup>	0.3	0.3	0.2	0.2	0.5	0.2	0.5	0.2	0.2	0.6	0.3	0.3	4.4	4.6	6.5	6.4	6.7	6.7	6.4	6.7	6.7	6.7	6.7	6.4	6.8	7.0	6.4	6.8	6.5	6.5	6.7	7.3	7.3			
29 <i>C. vicina</i> <sup>(GB5)</sup>	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.1	4.3	6.2	6.4	6.4	6.4	6.1	6.4	6.4	6.4	6.4	6.1	6.5	6.8	6.7	6.1	6.5	6.2	6.2	6.4	7.3	7.3		
30 <i>C. vicina</i> <sup>*5</sup>	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.1	4.3	6.2	6.4	6.4	6.4	6.1	6.4	6.4	6.4	6.4	6.1	6.5	6.8	6.7	6.1	6.5	6.2	6.2	6.4	7.3	7.3		
31 <i>C. vicina</i> <sup>(GB6)</sup>	0.3	0.3	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.1	4.3	6.2	6.4	6.4	6.4	6.1	6.4	6.4	6.4	6.4	6.1	6.5	6.8	6.7	6.4	6.8	6.5	6.5	6.7	7.0	7.0		
32 <i>C. vicina</i> <sup>(GB7)</sup>	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.4	4.6	6.2	6.4	6.4	6.4	6.1	6.4	6.4	6.4	6.4	6.1	6.5	6.8	6.7	6.1	6.5	6.2	6.2	6.4	7.3	7.3		
33 <i>C. vicina</i> <sup>(GB8)</sup>	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.4	4.3	6.2	6.4	6.4	6.4	6.1	6.4	6.4	6.4	6.4	6.1	6.5	6.8	6.7	6.1	6.5	6.2	6.2	6.4	7.0	7.0		

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII.

**Material suplementario / Supplementary material**

**Table S38.** (Continued)

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66		
34 <i>C. vicina</i> <sup>GB9</sup>	—	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.4	4.6	6.5	6.7	6.7	6.7	6.4	6.7	6.7	6.7	6.4	6.8	7.1	7.0	6.4	6.8	6.5	6.5	6.7	7.3	7.3		
35 <i>C. vicina</i> <sup>GB10</sup>	2	—	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.4	4.6	6.5	6.7	6.7	6.7	6.4	6.7	6.7	6.7	6.4	6.8	7.1	7.0	6.4	6.8	6.5	6.5	6.7	7.3	7.3		
36 <i>C. vicina</i> <sup>GB11</sup>	3	3	—	0.0	0.6	0.3	0.6	0.3	0.3	0.8	0.5	0.5	4.6	4.7	6.7	6.5	6.8	6.8	6.5	6.8	6.8	6.8	6.5	7.0	7.0	7.1	6.5	7.0	6.7	6.7	6.8	7.4	7.4		
37 <i>C. vicina</i> <sup>*11</sup>	3	3	0	—	0.6	0.3	0.6	0.3	0.3	0.8	0.5	0.5	4.6	4.7	6.7	6.5	6.8	6.8	6.5	6.8	6.8	6.8	6.5	7.0	7.0	7.1	6.5	7.0	6.7	6.7	6.8	7.4	7.4		
38 <i>C. vicina</i> <sup>GB12</sup>	3	3	4	4	—	0.6	0.6	0.6	0.6	0.8	0.8	0.8	4.3	4.4	6.4	6.5	6.5	6.5	6.2	6.5	6.5	6.5	6.2	6.7	7.0	6.8	6.5	7.0	6.7	6.7	6.8	7.1	7.1		
39 <i>C. vicina</i> <sup>GB13</sup>	3	3	2	2	4	—	0.6	0.3	0.3	0.8	0.5	0.5	4.3	4.4	6.4	6.2	6.5	6.5	6.2	6.5	6.5	6.5	6.2	6.7	6.7	6.8	6.2	6.7	6.4	6.4	6.5	7.1	7.1		
40 <i>C. vicina</i> <sup>GB14</sup>	3	3	4	4	4	4	—	0.6	0.6	0.5	0.8	0.8	4.3	4.7	6.4	6.5	6.5	6.5	6.2	6.5	6.5	6.5	6.5	6.7	7.0	6.8	6.5	6.7	6.7	6.7	6.8	7.4	7.4		
41 <i>C. vicina</i> <sup>GB15</sup>	3	3	2	2	4	2	4	—	0.3	0.8	0.5	0.5	4.3	4.4	6.7	6.5	6.8	6.8	6.5	6.8	6.8	6.5	6.5	7.0	7.0	7.1	6.5	7.0	6.7	6.7	6.8	7.4	7.4		
42 <i>C. vicina</i> <sup>GB16</sup>	3	3	2	2	4	2	4	2	—	0.8	0.5	0.5	4.6	4.7	6.7	6.5	6.8	6.8	6.5	6.8	6.8	6.8	6.5	7.0	7.0	7.1	6.5	7.0	6.7	6.7	6.8	7.4	7.4		
43 <i>C. vicina</i> <sup>GB17</sup>	4	4	5	5	5	5	3	5	5	—	0.6	0.9	4.1	4.6	6.5	6.7	6.7	6.7	6.4	6.7	6.7	6.7	6.7	6.8	7.1	7.0	6.7	6.8	6.8	6.8	7.0	7.3	7.3		
44 <i>C. vicina</i> <sup>GB18</sup>	4	4	3	3	5	3	5	3	3	4	—	0.3	4.3	4.4	6.8	6.7	7.0	7.0	6.7	7.0	7.0	6.7	7.1	7.1	7.3	6.7	7.1	6.8	6.8	7.0	7.1	7.1			
45 <i>C. vicina</i> <sup>GB19</sup>	4	4	3	3	5	3	5	3	3	6	2	—	4.6	4.7	6.8	6.7	7.0	7.0	6.7	7.0	7.0	7.0	6.7	7.1	7.1	7.3	6.7	7.1	6.8	6.8	7.0	7.4	7.4		
46 <i>C. vomitoria</i> <sup>GB1</sup>	29	29	30	30	28	28	28	28	30	27	28	30	—	0.5	6.1	6.2	6.2	6.2	5.9	6.2	6.2	5.9	6.2	6.4	6.7	6.5	6.8	7.0	7.0	7.0	7.1	7.8	7.8		
47 <i>C. vomitoria</i> <sup>GB2</sup>	30	30	31	31	29	29	31	29	31	30	29	31	3	—	6.2	6.4	6.4	6.4	6.1	6.4	6.4	6.1	6.1	6.5	6.8	6.7	6.7	6.8	6.8	6.8	7.0	7.4	7.4		
48 <i>L. sericata</i> <sup>GB1</sup>	43	43	44	44	42	42	42	44	44	43	45	45	40	41	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.6	0.5	2.0	2.1	2.1	2.1	2.3	5.8	5.9	
49 <i>L. sericata</i> <sup>GB2</sup>	44	44	43	43	43	41	43	43	43	44	44	44	41	42	1	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.6	2.1	2.3	2.3	2.3	2.4	5.9	6.1	
50 <i>L. sericata</i> <sup>GB3</sup>	44	44	45	45	43	43	43	45	45	44	46	46	41	42	1	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8	0.6	2.1	2.3	2.3	2.3	2.4	5.9	6.1	
51 <i>L. sericata</i> <sup>GB4</sup>	44	44	45	45	43	43	43	45	45	44	46	46	41	42	1	2	2	—	0.3	0.3	0.3	0.3	0.3	0.5	0.8	0.6	2.1	2.3	2.3	2.3	2.4	5.9	6.1		
52 <i>L. sericata</i> <sup>GB5</sup>	42	42	43	43	41	41	41	43	43	42	44	44	39	40	1	2	2	—	0.3	0.3	0.3	0.3	0.3	0.5	0.8	0.6	1.8	2.0	2.0	2.0	2.1	5.9	6.1		
53 <i>L. sericata</i> <sup>GB6</sup>	44	44	45	45	43	43	43	45	45	44	46	46	41	42	1	2	2	2	—	0.3	0.3	0.3	0.2	0.8	0.6	2.1	2.0	2.0	2.0	2.1	5.9	6.1			
54 <i>L. sericata</i> <sup>GB7</sup>	44	44	45	45	43	43	43	45	45	44	46	46	41	42	1	2	2	2	—	0.3	0.3	0.3	0.5	0.8	0.6	2.1	2.3	2.3	2.3	2.4	5.9	6.1			
55 <i>L. sericata</i> <sup>GB8</sup>	44	44	45	45	43	43	43	45	45	44	46	46	39	40	1	2	2	2	2	—	0.3	0.5	0.8	0.6	2.1	2.3	2.3	2.3	2.4	5.9	6.1				
56 <i>L. sericata</i> <sup>GB9</sup>	42	42	43	43	41	41	43	43	43	44	44	44	41	40	1	2	2	2	2	2	2	2	—	0.5	0.8	0.6	1.8	2.3	2.0	2.0	2.1	5.6	5.8		
57 <i>L. sericata</i> <sup>GB10</sup>	45	45	46	46	44	44	44	46	46	45	47	47	42	43	2	3	3	3	3	1	3	3	3	—	0.9	0.8	2.3	2.1	2.1	2.1	2.3	6.1	6.2		
58 <i>L. cuprina</i> <sup>GB1</sup>	47	47	46	46	46	44	46	46	46	47	47	47	44	45	4	3	5	5	5	5	5	5	5	5	6	—	0.2	2.6	2.7	2.7	2.9	6.1	6.2		
59 <i>L. cuprina</i> <sup>GB2</sup>	46	46	47	47	45	45	45	47	47	46	48	48	43	44	3	4	4	4	4	4	4	4	4	5	1	—	2.4	2.6	2.6	2.6	2.7	5.9	6.1		
60 <i>L. cuprina</i> <sup>GB3</sup>	42	42	43	43	43	41	43	43	43	44	44	44	45	44	13	14	14	14	12	14	14	14	14	12	15	17	16	—	0.6	0.3	0.2	0.3	6.5	6.5	
61 <i>L. cuprina</i> <sup>GB4</sup>	45	45	46	46	46	44	44	46	46	45	47	47	46	45	14	15	15	15	13	13	15	15	15	15	14	18	17	4	—	0.3	0.5	0.6	6.8	6.8	
62 <i>L. cuprina</i> <sup>GB5</sup>	43	43	44	44	44	42	44	44	44	45	45	45	46	45	14	15	15	15	13	13	15	15	15	15	13	14	18	17	2	2	—	0.2	0.3	6.7	6.7
63 <i>L. cuprina</i> <sup>GB6</sup>	43	43	44	44	44	42	44	44	44	45	45	45	46	45	14	15	15	15	13	13	15	15	15	13	14	18	17	1	3	1	—	0.2	6.7	6.7	
64 <i>L. cuprina</i> <sup>GB7</sup>	44	44	45	45	45	43	45	45	45	46	46	46	47	46	15	16	16	16	14	14	16	16	16	14	15	19	18	2	4	2	1	—	6.8	6.8	
65 <i>L. ampullacea</i> <sup>GB1</sup>	48	48	49	49	47	47	49	49	49	48	47	49	51	49	38	39	39	39	39	39	39	39	39	37	40	40	39	43	45	44	44	45	—	0.2	
66 <i>L. ampullacea</i> <sup>GB2</sup>	48	48	49	49	47	47	49	49	49	48	47	49	51	49	39	40	40	40	40	40	40	40	40	38	41	41	40	43	45	44	44	45	1	—	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII.

*Material suplementario / Supplementary material*

**Table S38. (Continued)**

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	
67 <i>L. caesar</i> <sup>GB1</sup>	40	40	39	39	39	37	41	39	39	40	37	39	37	35	31	30	32	32	30	32	32	32	30	33	31	32	29	31	30	30	31	25	25	
68 <i>L. caesar</i> <sup>(*)1</sup>	40	40	39	39	39	37	41	39	39	40	37	39	37	35	31	30	32	32	30	32	32	32	30	33	31	32	29	31	30	30	31	25	25	
69 <i>L. caesar</i> <sup>(*)2</sup>	39	39	40	40	38	38	40	40	40	39	38	40	36	34	30	31	31	31	29	31	31	31	29	32	32	31	28	30	29	29	30	24	24	
70 <i>L. caesar</i> <sup>GB3</sup>	41	41	40	40	40	38	42	40	40	41	38	40	38	36	32	31	33	33	31	33	33	33	31	34	32	33	30	32	31	31	32	24	24	
71 <i>L. caesar</i> <sup>4</sup>	41	41	40	40	40	38	42	40	40	41	38	40	38	36	32	31	33	33	31	31	33	33	31	32	32	33	30	30	29	29	30	26	26	
72 <i>L. caesar</i> <sup>5</sup>	40	40	41	41	39	39	41	41	41	40	39	41	37	35	31	32	32	32	30	32	32	32	30	33	33	32	29	31	30	30	31	23	23	
73 <i>L. caesar</i> <sup>6</sup>	38	38	39	39	37	37	39	39	39	38	37	39	37	35	31	32	32	32	30	32	32	32	30	33	33	32	29	31	30	30	31	23	23	
74 <i>L. caesar</i> <sup>7</sup>	40	40	41	41	39	39	41	41	41	40	39	41	37	35	29	30	30	30	30	30	30	30	28	31	31	30	29	31	30	30	31	23	23	
75 <i>L. caesar</i> <sup>GB8</sup>	41	41	42	42	40	40	42	42	42	41	40	42	38	36	32	33	33	33	31	33	33	33	31	34	34	33	30	32	31	31	32	24	24	
76 <i>L. caesar</i> <sup>GB9</sup>	41	41	42	42	40	40	42	42	42	41	40	42	38	36	32	33	33	33	31	33	33	33	31	34	34	33	30	32	31	31	32	24	24	
77 <i>L. caesar</i> <sup>9</sup>	41	41	42	42	40	40	42	42	42	41	40	42	38	36	32	33	33	33	31	33	33	33	31	34	34	33	30	32	31	31	32	24	24	
78 <i>L. caesar</i> <sup>(*)10</sup>	41	41	42	42	40	40	42	42	42	41	40	42	36	34	32	33	33	33	31	31	33	33	31	32	34	33	30	30	29	29	30	26	26	
79 <i>L. caesar</i> <sup>(*)11</sup>	41	41	42	42	40	40	42	42	42	41	40	42	38	36	32	33	33	33	31	33	33	33	31	34	34	33	30	32	31	31	32	22	22	
80 <i>L. caesar</i> <sup>GB12</sup>	42	42	43	43	41	41	43	43	43	42	41	43	37	35	31	32	32	32	30	32	32	32	30	33	33	32	31	33	32	32	33	23	23	
81 <i>L. caesar</i> <sup>(*)12</sup>	42	42	43	43	41	41	43	43	43	42	41	43	37	35	31	32	32	32	30	32	32	32	30	33	33	32	31	33	32	32	33	23	23	
82 <i>L. caesar</i> <sup>(*)13</sup>	42	42	43	43	41	41	43	43	43	42	41	43	39	37	31	32	32	32	30	32	32	32	30	33	33	32	29	31	30	30	31	21	21	
83 <i>L. caesar</i> <sup>(*)14</sup>	42	42	43	43	41	41	43	43	43	42	41	43	37	35	31	32	32	32	32	32	32	32	30	33	33	32	31	33	32	32	33	23	23	
84 <i>L. caesar</i> <sup>(*)15</sup>	43	43	44	44	42	42	44	44	44	43	42	44	40	38	32	33	33	33	33	33	33	33	31	34	34	33	32	34	33	33	34	22	22	
85 <i>L. caesar</i> <sup>(*)16</sup>	43	43	44	44	42	42	44	44	44	43	42	44	38	36	32	33	33	33	31	31	33	33	31	32	34	33	32	32	31	31	32	24	24	
86 <i>L. caesar</i> <sup>(*)17</sup>	43	43	44	44	42	42	44	44	44	43	42	44	38	36	32	33	33	33	31	31	33	33	31	32	34	33	32	32	31	31	32	26	26	
87 <i>L. caesar</i> <sup>(*)18</sup>	44	44	45	45	43	43	45	45	45	44	43	45	41	39	33	34	34	34	34	34	34	34	32	35	35	34	33	32	34	34	35	23	23	
88 <i>L. caesar</i> <sup>GB19</sup>	42	42	41	41	41	39	43	41	41	44	41	41	40	40	31	30	32	32	30	32	32	32	30	33	31	32	31	33	32	32	33	29	29	
89 <i>L. caesar</i> <sup>GB20</sup>	43	43	42	42	42	40	44	42	42	45	42	42	41	41	32	31	33	33	31	33	33	33	31	34	32	33	32	34	33	33	34	30	30	
90 <i>L. caesar</i> <sup>GB21</sup>	45	45	46	46	44	44	46	46	46	45	44	46	42	40	34	35	35	35	35	35	35	35	35	33	36	36	35	34	36	35	36	24	24	
91 <i>L. caesar</i> <sup>(*)22</sup>	45	43	46	46	44	44	46	46	46	45	44	46	42	40	34	35	35	35	35	35	35	35	35	33	36	36	35	34	36	35	36	24	24	
92 <i>L. caesar</i> <sup>(*)23</sup>	45	45	46	46	44	44	46	46	46	45	44	46	42	40	34	35	35	35	35	35	35	35	35	33	36	36	35	34	36	35	36	22	22	
93 <i>L. illustris</i> <sup>GB1</sup>	43	43	42	42	42	40	44	42	42	45	42	42	41	41	32	31	33	33	31	33	33	33	31	34	32	33	32	34	33	33	34	30	30	
94 <i>L. illustris</i> <sup>(*)1</sup>	43	43	42	42	42	40	44	42	42	45	42	42	41	41	32	31	33	33	31	33	33	33	31	34	32	33	32	34	33	33	34	30	30	
95 <i>L. illustris</i> <sup>GB2</sup>	42	42	41	41	41	39	43	41	41	44	41	41	40	40	33	32	34	34	32	34	34	34	34	32	35	33	34	31	33	32	32	29	29	
96 <i>L. illustris</i> <sup>GB3</sup>	44	44	43	43	43	41	43	43	43	44	43	43	40	42	31	30	32	32	30	32	32	32	32	33	31	32	33	33	34	34	35	31	31	
97 <i>L. illustris</i> <sup>GB4</sup>	42	42	43	43	41	41	43	43	43	44	43	43	40	40	31	32	32	32	30	32	32	32	30	33	33	32	31	33	32	32	33	29	29	
98 <i>L. illustris</i> <sup>GB5</sup>	42	42	41	41	41	39	43	41	41	44	41	41	40	40	31	30	32	32	30	32	32	32	30	33	31	32	31	33	32	32	33	29	29	
99 <i>L. illustris</i> <sup>GB6</sup>	41	41	40	40	40	38	42	40	40	43	40	40	40	40	30	29	31	31	29	31	31	31	29	32	30	31	30	32	31	31	32	28	28	
100 <i>L. illustris</i> <sup>GB7</sup>	43	43	44	44	42	42	44	44	44	45	44	44	39	39	34	35	35	33	33	35	35	35	35	33	36	36	35	32	34	33	33	34	30	30
101 <i>L. illustris</i> <sup>GB8</sup>	45	45	46	46	44	44	46	46	46	45	44	46	42	40	34	35	35	35	35	35	35	35	35	33	36	36	35	34	36	35	36	22	22	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII.

*Material suplementario / Supplementary material*

**Table S38.** (Continued)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	
1 <i>H. bovis</i> <sup>1</sup>	14.0	14.0	14.1	13.8	13.8	14.0	14.3	14.3	14.3	14.1	14.1	14.1	14.0	13.8	13.8	13.8	14.3	14.3	13.7	13.8	14.4	13.7	13.8	14.4	14.4	14.3	13.8	13.8	13.7	13.7	14.0	13.7	13.5	14.1	14.6	
2 <i>H. lineatum</i> <sup>(GB1)</sup>	13.7	13.7	13.8	13.5	13.5	13.7	14.0	14.0	14.0	13.8	13.8	13.5	13.7	13.8	13.8	13.5	13.8	14.0	13.7	13.8	14.1	13.4	13.5	14.1	14.1	14.3	13.5	13.5	13.4	13.4	13.7	13.4	13.2	13.5	14.3	
3 <i>H. lineatum</i> <sup>(GB2)</sup>	12.5	12.5	12.6	12.3	12.3	12.5	12.8	12.8	12.9	12.6	12.6	12.3	12.6	12.8	12.8	12.5	12.6	12.9	12.6	12.3	13.1	12.3	12.5	13.1	13.1	13.2	12.5	12.5	12.3	12.3	12.6	12.3	12.3	12.5	13.2	
4 <i>M. autumnalis</i> <sup>1</sup>	10.9	10.9	10.8	11.1	11.1	10.9	10.9	10.9	11.1	11.1	11.1	11.1	11.1	11.2	11.2	10.9	11.2	11.4	11.4	11.4	11.6	10.9	11.1	11.7	11.7	11.7	11.1	11.1	10.9	11.2	10.9	10.9	11.1	11.1	11.4	
5 <i>M. autumnalis</i> <sup>(GB2)</sup>	10.9	10.9	10.8	11.1	11.1	10.9	10.9	10.9	11.1	11.1	11.1	11.1	11.1	11.2	11.2	10.9	11.2	11.4	11.4	11.4	11.6	10.9	11.1	11.7	11.7	11.7	11.1	11.1	10.9	11.2	10.9	10.9	11.1	11.1	11.4	
6 <i>M. domestica</i> <sup>(GB1)</sup>	10.2	10.2	10.0	10.3	10.3	10.2	10.2	10.2	10.3	10.3	10.3	10.0	10.3	10.2	10.2	10.5	10.3	10.6	10.3	10.0	10.8	10.5	10.3	10.9	10.9	10.9	10.3	10.3	10.2	10.2	10.2	10.5	10.3	9.7	10.6	
7 <i>M. domestica</i> <sup>(GB2)</sup>	10.3	10.3	10.5	10.5	10.2	10.6	10.6	10.6	10.8	10.8	10.8	10.2	10.8	10.6	10.6	10.9	10.8	11.1	10.5	10.2	11.2	10.6	10.5	11.4	11.4	11.4	10.5	10.5	10.3	10.3	10.6	10.6	10.5	10.2	11.1	
8 <i>M. domestica</i> <sup>(GB3)</sup>	10.5	10.5	10.6	10.6	10.3	10.8	10.8	10.8	10.6	10.9	10.9	10.3	10.6	10.5	10.5	10.8	10.9	10.9	10.3	10.3	11.1	10.8	10.6	11.2	11.2	11.2	10.6	10.6	10.5	10.5	10.8	10.8	10.6	10.3	10.9	
9 <i>M. sorbens</i> <sup>(GB1)</sup>	10.6	10.6	10.5	10.8	10.8	10.6	10.6	10.3	10.8	10.8	10.8	10.8	10.8	10.6	10.6	10.9	10.6	10.8	10.8	10.8	10.9	10.8	10.9	11.1	11.1	11.1	10.9	10.9	10.8	10.8	10.8	10.8	10.8	10.6	10.8	
10 <i>Ch. albiceps</i> <sup>(GB1)</sup>	8.7	8.7	8.8	8.8	8.5	9.0	8.8	9.0	9.1	9.1	9.1	8.8	9.1	9.0	9.0	9.3	9.3	9.4	8.8	8.5	9.6	9.0	9.1	9.7	9.7	9.7	9.1	9.1	9.0	9.3	9.3	9.0	8.8	9.4	9.4	
11 <i>Ch. albiceps</i> <sup>(*)1</sup>	8.7	8.7	8.8	8.8	8.5	9.0	8.8	9.0	9.1	9.1	9.1	8.8	9.1	9.0	9.0	9.3	9.3	9.4	8.8	8.5	9.6	9.0	9.1	9.7	9.7	9.7	9.1	9.1	9.0	9.3	9.3	9.0	8.8	9.4	9.4	
12 <i>Ch. albiceps</i> <sup>(*)2</sup>	8.7	8.7	8.8	8.8	8.5	9.0	8.8	9.0	9.1	9.1	9.1	8.8	9.1	9.0	9.0	9.3	9.3	9.4	8.8	8.5	9.6	9.0	9.1	9.7	9.7	9.7	9.1	9.1	9.0	9.3	9.3	9.0	8.8	9.4	9.4	
13 <i>Ch. megacephala</i> <sup>(GB1)</sup>	8.1	8.1	8.2	8.2	7.9	8.4	8.2	8.1	8.5	8.5	8.5	8.2	8.5	8.4	8.4	8.7	8.4	8.5	8.2	7.9	8.7	8.1	8.2	8.8	8.8	8.8	8.2	8.2	8.4	8.4	8.4	8.1	7.9	8.5	8.8	
14 <i>Ch. megacephala</i> <sup>(GB2)</sup>	8.2	8.2	8.4	8.4	8.1	8.5	8.4	8.2	8.7	8.7	8.7	8.4	8.7	8.5	8.5	8.8	8.5	8.7	8.4	8.1	8.8	8.2	8.4	9.0	9.0	9.0	8.4	8.4	8.5	8.5	8.5	8.2	8.1	8.7	9.0	
15 <i>Ch. megacephala</i> <sup>(GB3)</sup>	8.2	8.2	8.4	8.4	8.1	8.5	8.4	8.2	8.7	8.7	8.7	8.4	8.7	8.5	8.5	8.8	8.5	8.7	8.4	8.1	8.8	8.2	8.4	9.0	9.0	9.0	8.4	8.4	8.5	8.5	8.5	8.2	8.1	8.7	9.0	
16 <i>Ch. megacephala</i> <sup>(GB4)</sup>	7.9	7.9	8.1	8.1	8.1	8.2	8.1	7.9	8.4	8.4	8.4	8.4	8.4	8.2	8.2	8.5	8.2	8.4	8.4	8.1	8.5	7.9	8.1	8.7	8.7	8.7	8.1	8.1	8.2	8.2	8.2	7.9	7.8	8.4	8.7	
17 <i>Ch. megacephala</i> <sup>(GB5)</sup>	8.1	8.1	7.9	8.2	8.2	8.1	7.9	7.8	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.4	8.1	8.2	8.2	7.9	8.4	8.1	8.2	8.5	8.5	8.5	8.2	8.2	8.4	8.4	8.1	8.1	7.9	8.2	8.5	
18 <i>Ch. megacephala</i> <sup>(GB6)</sup>	8.1	8.1	8.2	8.2	7.9	8.4	8.2	8.1	8.5	8.5	8.5	8.2	8.5	8.4	8.4	8.7	8.4	8.5	8.2	7.9	8.7	8.1	8.2	8.8	8.8	8.8	8.2	8.2	8.4	8.4	8.4	8.1	7.9	8.5	8.8	
19 <i>Ch. megacephala</i> <sup>(GB7)</sup>	8.2	8.2	8.4	8.4	8.4	8.5	8.4	8.2	8.4	8.7	8.7	8.7	8.7	8.5	8.5	8.8	8.5	8.7	8.7	8.4	8.8	8.2	8.4	9.0	9.0	9.0	8.4	8.4	8.5	8.5	8.5	8.2	8.1	8.7	9.0	
20 <i>P. regina</i> <sup>(GB1)</sup>	9.4	9.4	9.6	9.6	9.6	9.7	9.6	9.7	9.6	9.6	9.6	9.9	9.6	9.4	9.4	9.7	10.0	9.9	9.6	9.6	10.0	9.6	9.7	10.2	10.2	10.2	9.7	9.7	9.9	9.9	9.9	9.6	9.4	10.3	9.9	
21 <i>P. regina</i> <sup>(GB2)</sup>	9.6	9.6	9.7	9.7	9.7	9.9	9.7	9.9	9.7	9.7	9.7	10.0	9.7	9.6	9.6	9.9	10.2	10.0	9.7	9.7	10.2	9.7	9.9	10.3	10.3	10.3	9.9	9.9	10.0	10.0	10.0	9.7	9.6	10.5	10.0	
22 <i>P. regina</i> <sup>(GB3)</sup>	9.7	9.7	9.9	9.9	9.9	10.0	9.9	10.0	9.9	9.9	9.9	10.2	9.9	9.7	9.7	10.0	10.3	10.2	9.9	9.9	10.3	9.9	10.0	10.2	10.5	10.5	10.0	10.0	10.2	10.2	10.2	9.9	9.7	10.6	10.2	
23 <i>P. regina</i> <sup>(GB4)</sup>	9.3	9.3	9.1	9.4	9.1	9.3	9.1	9.3	9.1	9.1	9.1	9.1	9.4	9.3	9.3	9.6	9.6	9.7	9.1	8.8	9.9	9.3	9.4	10.0	10.0	10.0	9.4	9.4	9.3	9.6	9.3	9.3	9.1	9.4	9.7	
24 <i>C. vicina</i> <sup>(GB1)</sup>	5.9	5.9	5.8	6.1	6.1	5.9	5.6	5.9	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.2	6.4	6.7	6.7	6.7	6.4	6.4	6.2	6.5	6.2	6.2	6.1	6.4	6.7	
25 <i>C. vicina</i> <sup>(*)1</sup>	5.9	5.9	5.8	6.1	6.1	5.9	5.6	5.9	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.2	6.4	6.7	6.7	6.7	6.4	6.4	6.2	6.5	6.2	6.2	6.1	6.4	6.7	
26 <i>C. vicina</i> <sup>(GB2)</sup>	6.1	6.1	5.9	6.2	6.2	6.1	5.8	6.1	6.2	6.2	6.2	5.9	6.2	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.7	6.4	6.5	6.8	6.8	6.8	6.5	6.5	6.4	6.7	6.4	6.4	6.2	6.2	6.8	
27 <i>C. vicina</i> <sup>(GB3)</sup>	6.1	6.1	5.9	6.2	6.2	6.1	5.8	6.1	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.7	6.4	6.5	6.8	6.8	6.8	6.8	6.5	6.5	6.4	6.4	6.4	6.4	6.2	6.5	6.8
28 <i>C. vicina</i> <sup>(GB4)</sup>	5.8	5.8	5.9	5.9	5.9	6.1	5.8	6.1	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.7	6.1	6.2	6.8	6.8	6.8	6.8	6.2	6.2	6.1	6.4	6.4	6.1	5.9	6.5	6.8
29 <i>C. vicina</i> <sup>(GB5)</sup>	6.1	6.1	5.9	6.2	6.2	6.1	5.8	6.1	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.7	6.4	6.5	6.8	6.8	6.8	6.8	6.5	6.5	6.4	6.7	6.4	6.4	6.2	6.5	6.8
30 <i>C. vicina</i> <sup>5</sup>	6.1	6.1	5.9	6.2	6.2	6.1	5.8	6.1	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.7	6.4	6.5	6.8	6.8	6.8	6.8	6.5	6.5	6.4	6.7	6.4	6.4	6.2	6.5	6.8
31 <i>C. vicina</i> <sup>(GB6)</sup>	5.8	5.8	5.6	5.9	5.9	5.8	5.5	5.8	5.9	5.9	5.9	5.9	5.9	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.4	6.1	6.2	6.5	6.5	6.5	6.2	6.2	6.1	6.4	6.1	6.1	5.9	6.2	6.5	
32 <i>C. vicina</i> <sup>(GB7)</sup>	6.1	6.1	5.9	6.2	6.2	6.1	5.8	6.1	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.7	6.4	6.5	6.8	6.8	6.8	6.8	6.5	6.5	6.4	6.7	6.4	6.4	6.2	6.5	6.8
33 <i>C. vicina</i> <sup>(GB8)</sup>	5.8	5.8	5.6	5.9	5.9	5.8	5.5	5.8	5.9	5.9	5.9	5.9	5.9	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.4	6.7	6.4	6.4	6.2	6.5	6.5	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII;

**Material suplementario / Supplementary material**

**Table S38.** (Continued)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101		
34	<i>C. vicina</i> <sup>GB9</sup>	6.1	6.1	5.9	6.2	6.2	6.1	5.8	6.1	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.7	6.4	6.5	6.8	6.8	6.8	6.5	6.5	6.4	6.7	6.4	6.4	6.2	6.5	6.8	
35	<i>C. vicina</i> <sup>GB10</sup>	6.1	6.1	5.9	6.2	6.2	6.1	5.8	6.1	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.7	6.4	6.5	6.8	6.5	6.8	6.5	6.5	6.4	6.7	6.4	6.4	6.2	6.5	6.8	
36	<i>C. vicina</i> <sup>GB11</sup>	5.9	5.9	6.1	6.1	6.1	6.2	5.9	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.7	6.7	6.7	6.8	6.2	6.4	7.0	7.0	7.0	6.4	6.4	6.2	6.5	6.5	6.2	6.1	6.7	7.0	
37	<i>C. vicina</i> <sup>*11</sup>	5.9	5.9	6.1	6.1	6.1	6.2	5.9	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.7	6.7	6.7	6.8	6.2	6.4	7.0	7.0	7.0	6.4	6.4	6.2	6.5	6.5	6.2	6.1	6.7	7.0	
38	<i>C. vicina</i> <sup>GB12</sup>	5.9	5.9	5.8	6.1	6.1	5.9	5.6	5.9	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.2	6.4	6.7	6.7	6.7	6.4	6.4	6.2	6.5	6.2	6.2	6.1	6.4	6.7	
39	<i>C. vicina</i> <sup>GB13</sup>	5.6	5.6	5.8	5.8	5.8	5.9	5.6	5.9	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.5	5.9	6.1	6.7	6.7	6.7	6.1	6.1	5.9	6.2	6.2	5.9	5.8	6.4	6.7	
40	<i>C. vicina</i> <sup>GB14</sup>	6.2	6.2	6.1	6.4	6.4	6.2	5.9	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.7	6.7	6.7	6.8	6.5	6.7	7.0	7.0	7.0	6.7	6.7	6.5	6.5	6.5	6.5	6.4	6.7	7.0	
41	<i>C. vicina</i> <sup>GB15</sup>	5.9	5.9	6.1	6.1	6.1	6.2	5.9	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.7	6.7	6.7	6.8	6.2	6.4	7.0	7.0	7.0	6.4	6.4	6.2	6.5	6.5	6.2	6.1	6.7	7.0	
42	<i>C. vicina</i> <sup>GB16</sup>	5.9	5.9	6.1	6.1	6.1	6.2	5.9	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.7	6.7	6.7	6.8	6.2	6.4	7.0	7.0	7.0	6.4	6.4	6.2	6.5	6.5	6.2	6.1	6.7	7.0	
43	<i>C. vicina</i> <sup>GB17</sup>	6.1	6.1	5.9	6.2	6.2	6.1	5.8	6.1	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.7	6.5	6.8	6.8	
44	<i>C. vicina</i> <sup>GB18</sup>	5.6	5.6	5.8	5.8	5.8	5.9	5.6	5.9	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.2	6.4	6.7	6.7	6.7	6.4	6.4	6.2	6.5	6.5	6.2	6.1	6.7	6.7	
45	<i>C. vicina</i> <sup>GB19</sup>	5.9	5.9	6.1	6.1	6.1	6.2	5.9	6.2	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.7	6.7	6.7	6.8	6.2	6.4	7.0	7.0	7.0	6.4	6.4	6.2	6.5	6.5	6.2	6.1	6.7	7.0	
46	<i>C. vomitoria</i> <sup>GB1</sup>	5.6	5.6	5.5	5.8	5.8	5.6	5.6	5.6	5.8	5.8	5.8	5.5	5.8	5.6	5.6	5.9	5.6	6.1	5.8	5.8	6.2	6.1	6.2	6.4	6.4	6.4	6.2	6.2	6.1	6.1	6.1	6.1	6.1	5.9	6.4	
47	<i>C. vomitoria</i> <sup>GB2</sup>	5.3	5.3	5.2	5.5	5.5	5.3	5.3	5.3	5.5	5.5	5.5	5.2	5.5	5.3	5.3	5.6	5.3	5.8	5.5	5.5	5.9	6.1	6.2	6.1	6.1	6.1	6.2	6.2	6.1	6.4	6.1	6.1	6.1	5.9	6.1	
48	<i>L. sericata</i> <sup>GB1</sup>	4.7	4.7	4.6	4.9	4.9	4.7	4.7	4.4	4.9	4.9	4.9	4.9	4.9	4.7	4.7	4.7	4.7	4.9	4.9	4.9	5.0	4.7	4.9	5.2	5.2	5.2	4.9	5.0	4.7	4.7	4.7	4.7	4.6	5.2	5.2	
49	<i>L. sericata</i> <sup>GB2</sup>	4.6	4.6	4.7	4.7	4.7	4.9	4.9	4.6	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.2	4.6	4.7	5.3	5.3	5.3	4.7	4.7	4.9	4.6	4.9	4.6	4.4	5.3	5.3	
50	<i>L. sericata</i> <sup>GB3</sup>	4.9	4.9	4.7	5.0	5.0	4.9	4.9	4.6	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.2	4.9	5.0	5.3	5.3	5.3	5.0	5.0	5.2	4.9	4.9	4.9	4.7	5.3	5.3	
51	<i>L. sericata</i> <sup>GB4</sup>	4.9	4.9	4.7	5.0	5.0	4.9	4.9	4.6	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.2	4.9	5.0	5.3	5.3	5.3	5.0	5.0	5.2	4.9	4.9	4.9	4.7	5.0	5.3	
52	<i>L. sericata</i> <sup>GB5</sup>	4.6	4.6	4.4	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.9	5.0	4.7	4.7	5.2	4.6	4.7	5.3	5.3	5.3	4.7	4.7	4.9	4.6	4.6	4.6	4.4	5.0	5.3
53	<i>L. sericata</i> <sup>GB6</sup>	4.9	4.9	4.7	5.0	4.7	4.9	4.9	4.6	5.0	5.0	5.0	4.7	5.0	4.9	4.9	4.9	4.9	5.0	4.7	4.7	5.2	4.9	5.0	5.3	5.3	5.3	5.0	5.0	5.2	4.9	4.9	4.9	4.7	5.3	5.3	
54	<i>L. sericata</i> <sup>GB7</sup>	4.9	4.9	4.7	5.0	5.0	4.9	4.9	4.6	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.2	4.9	5.0	5.3	5.3	5.3	5.0	5.0	5.2	4.9	4.9	4.9	4.7	5.3	5.3	
55	<i>L. sericata</i> <sup>GB8</sup>	4.9	4.9	4.7	5.0	5.0	4.9	4.9	4.6	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.2	4.9	5.0	5.3	5.3	5.3	5.0	5.0	5.2	4.9	4.9	4.9	4.7	5.3	5.3	
56	<i>L. sericata</i> <sup>GB9</sup>	4.6	4.6	4.4	4.7	4.7	4.6	4.6	4.3	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.9	4.6	4.7	5.0	5.0	5.0	4.7	4.7	4.9	4.9	4.6	4.6	4.4	5.0	5.0	
57	<i>L. sericata</i> <sup>GB10</sup>	5.0	5.0	4.9	5.2	4.9	5.0	5.0	4.7	5.2	5.2	5.2	4.9	5.2	5.0	5.0	5.0	5.0	5.2	4.9	4.9	5.3	5.0	5.2	5.5	5.5	5.5	5.2	5.2	5.3	5.0	5.0	5.0	4.9	5.5	5.5	
58	<i>L. cuprina</i> <sup>GB1</sup>	4.7	4.7	4.9	4.9	4.9	5.0	5.0	4.7	5.2	5.2	5.2	5.2	5.2	5.0	5.0	5.0	5.0	5.2	5.2	5.2	5.3	4.7	4.9	5.5	5.5	5.5	4.9	4.9	5.0	4.7	5.0	4.7	4.6	5.5	5.5	
59	<i>L. cuprina</i> <sup>GB2</sup>	4.9	4.9	4.7	5.0	5.0	4.9	4.9	4.6	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.2	4.9	5.0	5.3	5.3	5.3	5.0	5.0	5.2	4.9	4.9	4.9	4.7	5.3	5.3	
60	<i>L. cuprina</i> <sup>GB3</sup>	4.4	4.4	4.3	4.6	4.6	4.4	4.4	4.4	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.9	4.9	4.9	5.0	4.7	4.9	5.2	5.2	5.2	4.9	4.9	4.7	5.0	4.7	4.7	4.6	4.9	5.2	
61	<i>L. cuprina</i> <sup>GB4</sup>	4.7	4.7	4.6	4.9	4.6	4.7	4.7	4.7	4.9	4.9	4.9	4.6	4.9	5.0	5.0	4.7	5.0	5.2	4.9	4.9	5.3	5.0	5.2	5.5	5.5	5.5	5.2	5.2	5.0	5.0	5.0	4.9	5.2	5.5		
62	<i>L. cuprina</i> <sup>GB5</sup>	4.6	4.6	4.4	4.7	4.4	4.6	4.6	4.6	4.7	4.7	4.7	4.4	4.7	4.9	4.9	4.6	4.9	5.0	4.7	4.7	5.2	4.9	5.0	5.3	5.3	5.3	5.0	5.0	4.9	5.2	4.9	4.9	4.7	5.0	5.3	
63	<i>L. cuprina</i> <sup>GB6</sup>	4.6	4.6	4.4	4.7	4.4	4.6	4.6	4.6	4.7	4.7	4.7	4.4	4.7	4.9	4.9	4.6	4.9	5.0	4.7	4.7	5.2	4.9	5.0	5.3	5.3	5.3	5.0	5.0	4.9	5.2	4.9	4.9	4.7	5.0	5.3	
64	<i>L. cuprina</i> <sup>GB7</sup>	4.7	4.7	4.6	4.9	4.6	4.7	4.7	4.7	4.9	4.9	4.9	4.6	4.9	5.0	5.0	4.7	5.0	5.2	4.9	4.9	5.3	5.0	5.2	5.5	5.5	5.5	5.2	5.2	5.0	5.3	5.0	5.0	4.9	5.2	5.5	
65	<i>L. ampullacea</i> <sup>GB1</sup>	3.8	3.8	3.6	3.6	4.0	3.5	3.5	3.5	3.6	3.6	3.6	4.0	3.3	3.5	3.5	3.2	3.5	3.3	3.6	4.0	3.5	4.4	4.6	3.6	3.6	3.3	4.6	4.6	4.4	4.7	4.4	4.4	4.3	4.6	3.3	
66	<i>L. ampullacea</i> <sup>GB2</sup>	3.8	3.8	3.6	3.6	4.0	3.5	3.5	3.5	3.6	3.6	3.6	4.0	3.3	3.5	3.5	3.2	3.5	3.3	3.6	4.0	3.5	4.4	4.6	3.6	3.6	3.3	4.6	4.6	4.4	4.7	4.4	4.4	4.3	4.6	3.3	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII.

**Material suplementario / Supplementary material**

**Table S38.** (Continued)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101			
67	<i>L. caesar</i> <sup>GB1</sup>	—	0.0	0.2	0.2	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.2	1.2	0.9	0.8	1.4	1.1
68	<i>L. caesar</i> <sup>(41)</sup>	0	—	0.2	0.2	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.2	1.2	0.9	0.8	1.4	1.1		
69	<i>L. caesar</i> <sup>(42)</sup>	1	1	—	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.8	1.1	1.2	0.9	0.9	0.9	1.2	1.2	1.1	1.4	1.1	1.1	0.9	1.2	0.9			
70	<i>L. caesar</i> <sup>GB3</sup>	1	1	2	—	0.3	0.2	0.5	0.5	0.6	0.3	0.3	0.6	0.3	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8	1.1	1.1	0.8	0.6	1.2	0.9			
71	<i>L. caesar</i> <sup>44</sup>	1	1	2	2	—	0.5	0.5	0.5	0.6	0.6	0.6	0.3	0.6	0.8	0.8	0.8	0.8	0.9	0.6	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.4	1.4	1.1	0.9	1.5	1.2			
72	<i>L. caesar</i> <sup>45</sup>	2	2	1	1	3	—	0.3	0.3	0.5	0.2	0.2	0.5	0.2	0.3	0.3	0.3	0.5	0.5	0.5	0.6	0.9	1.1	0.8	0.8	0.8	1.1	1.1	0.9	1.2	0.9	0.9	0.8	1.1	0.8			
73	<i>L. caesar</i> <sup>6</sup>	2	2	1	3	3	2	—	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.9	1.2	1.4	1.1	1.1	1.1	1.4	1.4	1.2	1.5	1.2	1.2	1.1	1.4	1.1			
74	<i>L. caesar</i> <sup>7</sup>	2	2	1	3	3	2	2	—	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.3	0.5	0.8	0.8	0.8	0.6	1.2	1.4	0.8	0.8	1.4	1.4	1.2	1.5	1.2	1.2	1.1	1.4	0.8		
75	<i>L. caesar</i> <sup>GB8</sup>	3	3	2	4	4	3	3	3	—	0.6	0.6	0.6	0.3	0.5	0.5	0.5	0.8	0.6	0.6	0.9	0.8	1.4	1.5	0.9	0.9	0.9	1.5	1.5	1.4	1.7	1.4	1.4	1.2	1.5	0.9		
76	<i>L. caesar</i> <sup>GB9</sup>	3	3	2	2	4	1	3	3	4	—	0.0	0.6	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.8	1.1	1.2	0.9	0.9	0.9	1.2	1.2	1.1	1.4	1.1	1.1	0.9	1.2	0.9		
77	<i>L. caesar</i> <sup>9</sup>	3	3	2	2	4	1	3	3	4	0	—	0.6	0.3	0.5	0.5	0.5	0.6	0.6	0.6	0.8	1.1	1.2	0.9	0.9	0.9	1.2	1.2	1.1	1.4	1.1	1.1	0.9	1.2	0.9			
78	<i>L. caesar</i> <sup>10</sup>	3	3	2	4	2	3	3	3	4	4	4	—	0.6	0.8	0.8	0.8	0.8	0.9	0.6	1.1	1.4	1.5	1.2	1.2	1.2	1.5	1.5	1.4	1.7	1.4	1.4	1.2	1.2	1.2			
79	<i>L. caesar</i> <sup>11</sup>	3	3	2	2	4	1	3	3	2	2	2	4	—	0.2	0.2	0.2	0.5	0.3	0.3	0.6	0.5	1.1	1.2	0.6	0.6	0.6	1.2	1.2	1.1	1.4	1.1	1.1	0.9	1.2	0.6		
80	<i>L. caesar</i> <sup>GB12</sup>	4	4	3	3	5	2	4	4	3	3	3	5	1	—	0.0	0.3	0.6	0.5	0.2	0.5	0.6	1.2	1.4	0.8	0.8	0.8	1.4	1.4	1.2	1.5	1.2	1.2	1.1	1.4	0.8		
81	<i>L. caesar</i> <sup>(12)</sup>	4	4	3	3	5	2	4	4	3	3	3	5	1	0	—	0.3	0.6	0.5	0.2	0.5	0.6	1.2	1.4	0.8	0.8	0.8	1.4	1.4	1.2	1.5	1.2	1.2	1.1	1.4	0.8		
82	<i>L. caesar</i> <sup>(13)</sup>	4	4	3	3	5	2	4	4	3	3	3	5	1	2	2	—	0.6	0.5	0.5	0.8	0.6	1.2	1.4	0.8	0.8	0.8	1.4	1.4	1.2	1.5	1.2	1.2	1.1	1.4	0.8		
83	<i>L. caesar</i> <sup>14</sup>	4	4	3	3	5	2	4	2	5	3	3	5	3	4	4	—	0.5	0.8	0.8	0.6	1.2	1.4	0.8	0.8	0.8	1.4	1.4	1.2	1.5	1.2	1.2	1.1	1.4	0.8			
84	<i>L. caesar</i> <sup>(15)</sup>	5	5	4	4	6	3	5	3	4	4	6	2	3	3	3	3	—	0.6	0.9	0.2	1.4	1.5	0.3	0.3	0.3	1.5	1.5	1.4	1.7	1.4	1.4	1.2	1.5	0.3			
85	<i>L. caesar</i> <sup>16</sup>	5	5	4	4	4	3	5	5	4	4	4	2	1	1	3	5	4	—	0.3	0.8	1.4	1.5	0.9	0.9	0.9	1.5	1.5	1.4	1.7	1.4	1.4	1.2	1.5	0.9			
86	<i>L. caesar</i> <sup>17</sup>	5	5	4	4	4	3	5	5	6	4	4	4	4	3	3	5	5	6	2	—	1.1	1.4	1.5	1.2	1.2	1.2	1.5	1.5	1.4	1.7	1.4	1.4	1.2	1.5	1.2		
87	<i>L. caesar</i> <sup>(18)</sup>	6	6	5	5	7	4	6	4	5	5	5	7	3	4	4	4	4	1	5	7	—	1.5	1.7	0.2	0.2	0.2	1.7	1.7	1.5	1.8	1.5	1.5	1.4	1.7	0.2		
88	<i>L. caesar</i> <sup>GB19</sup>	6	6	7	5	7	6	8	8	9	7	7	9	7	8	8	8	8	9	9	9	10	—	0.2	1.7	1.7	1.7	0.2	0.2	0.3	0.3	0.3	0.0	0.2	0.8	1.7		
89	<i>L. caesar</i> <sup>(GB20)</sup>	7	7	8	6	8	7	9	9	10	8	8	10	8	9	9	9	9	10	10	10	11	1	—	1.8	1.8	1.8	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.6	1.8		
90	<i>L. caesar</i> <sup>GB21</sup>	7	7	6	6	8	5	7	5	6	6	8	4	5	5	5	5	2	6	8	1	11	12	—	0.3	0.3	1.8	1.8	1.7	2.0	1.7	1.7	1.5	1.8	0.3			
91	<i>L. caesar</i> <sup>22</sup>	7	7	6	6	8	5	7	5	6	6	8	4	5	5	5	5	2	6	8	1	11	12	2	—	0.3	1.8	1.8	1.7	2.0	1.7	1.7	1.5	1.8	0.3			
92	<i>L. caesar</i> <sup>23</sup>	7	7	6	6	8	5	7	5	6	6	6	8	4	5	5	5	2	6	8	1	11	12	2	2	—	1.8	1.8	1.7	2.0	1.7	1.7	1.5	1.8	0.3			
93	<i>L. illustris</i> <sup>GB1</sup>	7	7	8	6	8	7	9	9	10	8	8	10	8	9	9	9	9	10	10	11	1	0	12	12	12	—	0.0	0.2	0.2	0.2	0.2	0.3	0.6	1.8			
94	<i>L. illustris</i> <sup>1</sup>	7	7	8	6	8	7	9	9	10	8	8	10	8	9	9	9	9	10	10	11	1	0	12	12	12	0	—	0.2	0.2	0.2	0.2	0.3	0.6	1.8			
95	<i>L. illustris</i> <sup>(GB2)</sup>	6	6	7	5	7	6	8	8	9	7	7	9	7	8	8	8	8	9	9	9	10	2	1	11	11	11	1	1	—	0.3	0.3	0.3	0.5	0.5	1.7		
96	<i>L. illustris</i> <sup>GB3</sup>	8	8	9	7	9	8	10	10	11	9	9	11	9	10	10	10	10	11	11	11	12	2	1	13	13	13	1	1	2	—	0.3	0.3	0.5	0.8	2.0		
97	<i>L. illustris</i> <sup>(GB4)</sup>	8	8	7	7	9	6	8	8	9	7	7	9	7	8	8	8	8	9	9	9	10	2	1	11	11	11	1	1	2	2	—	0.3	0.5	0.5	1.7		
98	<i>L. illustris</i> <sup>(GB5)</sup>	6	6	7	5	7	6	8	8	9	7	7	9	7	8	8	8	8	9	9	9	10	0	1	11	11	11	1	1	2	2	—	0.2	0.8	1.7			
99	<i>L. illustris</i> <sup>GB6</sup>	5	5	6	4	6	5	7	7	8	6	6	8	6	7	7	7	7	8	8	8	9	1	2	10	10	10	2	2	3	3	3	1	—	0.9	1.5		
100	<i>L. illustris</i> <sup>GB7</sup>	9	9	8	8	10	7	9	9	10	8	8	8	8	9	9	9	9	10	10	10	11	5	4	12	12	12	4	4	3	5	3	5	6	—	1.8		
101	<i>L. illustris</i> <sup>GB8</sup>	7	7	6	6	8	5	7	5	6	6	6	8	4	5	5	5	5	2	6	8	1	11	12	2	2	2	12	12	11	13	11	11	10	12	—		

<sup>1</sup>Species with haplotypes HI; <sup>2</sup>Species with haplotypes HII; <sup>3</sup>Species with haplotypes HIII; <sup>4</sup>Species with haplotypes HIII; <sup>5</sup>Species with haplotypes HIV; <sup>6</sup>Species with haplotypes HV; <sup>7</sup>Species with haplotypes HVI; <sup>8</sup>Species with haplotypes HVII; <sup>9</sup>Species with haplotypes HVIII; <sup>10</sup>Species with haplotypes HIX; <sup>11</sup>Species with haplotypes HX; <sup>12</sup>Species with haplotypes HXI; <sup>13</sup>Species with haplotypes HXII; <sup>14</sup>Species with haplotypes HXIII; <sup>15</sup>Species with haplotypes HXIV; <sup>16</sup>Species with haplotypes HXV; <sup>17</sup>Species with haplotypes HXVI; <sup>18</sup>Species with haplotypes HXVII; <sup>19</sup>Species with haplotypes HXVIII; <sup>20</sup>Species with haplotypes HXIX; <sup>21</sup>Species with haplotypes HXXI; <sup>22</sup>Species with haplotypes HXXII; <sup>23</sup>Species with haplotypes HXXIII.



**Material suplementario / Supplementary material**

**Table S39.** Pairwise sequence divergence between the studied Diptera (*H. bovis*\*, *M. autumnalis*\*, *Ch. albiceps*\*, *C. vicina*\*, *L. caesar*\* and *L. illustris*\*) haplotypes for the COI (616 bp). GenBank (GB) database close myiasis-causing species sequences were included for comparison purposes. The brackets in the superscript indicate more than one sequence with same haplotypes (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1 <i>H. bovis</i> <sup>(GB1)</sup>	—	0.2	0.2	0.3	0.5	8.3	8.1	14.3	14.4	14.0	14.0	14.6	11.2	11.2	11.2	11.9	11.7	12.0	12.0	11.9	11.9	11.7	12.3	11.7	11.7	14.1	14.3	14.0	14.1	14.1
2 <i>H. bovis</i> <sup>(GB2)</sup>	1	—	0.3	0.5	0.3	8.4	8.3	14.4	14.6	14.1	14.1	14.8	11.4	11.4	11.4	12.0	11.9	12.2	12.2	12.0	12.0	11.9	12.5	11.9	11.9	14.3	14.4	14.1	14.3	14.3
3 <i>H. bovis</i> <sup>(GB3)</sup>	1	2	—	0.2	0.6	8.1	8.0	14.1	14.3	13.8	13.8	14.4	11.0	11.0	11.0	11.7	11.5	11.9	11.9	11.7	11.7	11.5	12.2	11.5	11.5	14.3	14.4	14.1	14.3	14.3
4 <i>H. bovis</i> <sup>*4</sup>	2	3	1	—	0.8	8.0	7.8	14.0	14.1	13.6	13.6	14.3	10.9	10.9	10.9	11.5	11.4	11.7	11.7	11.5	11.5	11.4	12.0	11.4	11.4	14.1	14.3	14.0	14.1	14.1
5 <i>H. bovis</i> <sup>(GB5)</sup>	3	2	4	5	—	8.8	8.6	14.8	14.9	14.4	14.4	15.1	11.7	11.7	11.7	12.3	12.2	12.5	12.5	12.3	12.3	12.2	12.8	12.2	12.2	14.6	14.8	14.4	14.6	14.6
6 <i>H. lineatum</i> <sup>(GB1)</sup>	51	52	50	49	54	—	0.2	14.3	14.4	13.5	13.5	14.1	10.7	10.7	11.0	12.0	11.9	12.2	12.2	12.0	11.4	11.5	11.9	11.5	11.4	12.7	12.8	12.5	12.7	12.7
7 <i>H. lineatum</i> <sup>(GB2)</sup>	50	51	49	48	53	1	—	14.1	14.3	13.3	13.3	14.0	10.6	10.6	10.9	11.9	11.7	12.0	12.0	11.9	11.2	11.4	11.7	11.4	11.2	12.5	12.7	12.3	12.5	12.5
8 <i>M. autumnalis</i> <sup>*1</sup>	88	89	87	86	91	88	87	—	0.5	9.3	9.4	7.8	10.7	10.7	11.0	13.1	13.0	13.0	13.3	13.1	12.5	12.7	13.0	12.5	11.7	13.8	14.0	13.6	14.0	14.0
9 <i>M. autumnalis</i> <sup>(GB2)</sup>	89	90	88	87	92	89	88	3	—	9.4	9.6	8.0	10.9	10.9	11.2	13.3	13.1	13.1	13.5	13.3	12.3	12.5	12.8	12.3	11.7	14.0	14.1	13.8	14.1	14.1
10 <i>M. domestica</i> <sup>(GB1)</sup>	86	87	85	84	89	83	82	57	58	—	0.2	6.5	9.6	9.6	9.6	9.7	9.9	9.6	9.9	9.4	11.9	11.7	12.2	11.7	10.7	12.7	12.8	12.5	12.8	12.8
11 <i>M. domestica</i> <sup>(GB2)</sup>	86	87	85	84	89	83	82	58	59	1	—	6.7	9.7	9.7	9.7	9.9	10.1	9.7	10.1	9.6	11.9	11.7	12.2	11.7	10.7	12.7	12.8	12.5	12.8	12.8
12 <i>M. sorbens</i> <sup>(GB1)</sup>	90	91	89	88	93	87	86	48	49	40	41	—	10.6	10.6	10.9	10.1	10.2	9.9	10.2	10.4	11.7	11.5	12.0	11.5	10.6	12.0	12.2	11.9	12.0	12.2
13 <i>Ch. albiceps</i> <sup>(GB1)</sup>	69	70	68	67	72	66	65	66	67	59	60	65	—	0.0	0.3	7.0	6.8	7.1	7.1	7.0	8.6	8.8	8.9	8.8	8.3	10.9	11.0	10.7	10.9	11.0
14 <i>Ch. albiceps</i> <sup>*1</sup>	69	70	68	67	72	66	65	66	67	59	60	65	0	—	0.3	7.0	6.8	7.1	7.1	7.0	8.6	8.8	8.9	8.8	8.3	10.9	11.0	10.7	10.9	11.0
15 <i>Ch. albiceps</i> <sup>(GB2)</sup>	69	70	68	67	72	68	67	68	69	59	60	67	2	2	—	6.7	6.5	6.8	6.8	6.7	8.6	8.8	8.9	8.8	8.3	10.6	10.7	10.4	10.6	10.7
16 <i>Ch. megacephala</i> <sup>(GB1)</sup>	73	74	72	71	76	74	73	81	82	60	61	62	43	43	41	—	0.2	0.2	0.2	0.6	8.4	8.3	8.8	8.3	7.8	11.0	11.2	11.2	11.0	11.2
17 <i>Ch. megacephala</i> <sup>(GB2)</sup>	72	73	71	70	75	73	72	80	81	61	62	63	42	42	40	1	—	0.3	0.3	0.8	8.3	8.1	8.6	8.1	7.6	10.9	11.0	11.0	10.9	11.0
18 <i>Ch. megacephala</i> <sup>(GB3)</sup>	74	75	73	72	77	75	74	80	81	59	60	61	44	44	42	1	2	—	0.3	0.5	8.3	8.1	8.6	8.1	7.6	11.2	11.4	11.4	11.2	11.4
19 <i>Ch. megacephala</i> <sup>(GB4)</sup>	74	75	73	72	77	75	74	82	83	61	62	63	44	44	42	1	2	2	—	0.8	8.6	8.4	8.9	8.4	8.0	11.2	11.4	11.4	11.2	11.4
20 <i>Ch. megacephala</i> <sup>(GB5)</sup>	73	74	72	71	76	74	73	81	82	58	59	64	43	43	41	4	5	3	5	—	8.1	8.0	8.4	8.0	7.8	10.7	10.9	10.9	10.7	10.9
21 <i>P. regina</i> <sup>(GB1)</sup>	73	74	72	71	76	70	69	77	76	73	73	72	53	53	53	52	51	51	53	50	—	0.2	0.5	0.5	3.2	10.4	10.6	10.2	10.6	10.6
22 <i>P. regina</i> <sup>(GB2)</sup>	72	73	71	70	75	71	70	78	77	72	72	71	54	54	54	51	50	50	52	49	1	—	0.6	0.3	3.4	10.6	10.7	10.4	10.7	10.7
23 <i>P. regina</i> <sup>(GB3)</sup>	76	77	75	74	79	73	72	80	79	75	75	74	55	55	55	54	53	53	55	52	3	4	—	1.0	3.7	10.7	10.6	10.6	10.9	10.9
24 <i>P. regina</i> <sup>(GB4)</sup>	72	73	71	70	75	71	70	77	76	72	72	71	54	54	54	51	50	50	52	49	3	2	6	—	3.4	10.4	10.6	10.2	10.6	10.6
25 <i>P. regina</i> <sup>(GB5)</sup>	72	73	71	70	75	70	69	72	72	66	66	65	51	51	51	48	47	47	49	48	20	21	23	21	—	10.1	10.2	9.9	10.2	10.2
26 <i>C. vicina</i> <sup>(GB1)</sup>	87	88	88	87	90	78	77	85	86	78	78	74	67	67	65	68	67	69	69	66	64	65	66	64	62	—	0.2	0.2	0.2	0.2
27 <i>C. vicina</i> <sup>*2</sup>	88	89	89	88	91	79	78	86	87	79	79	75	68	68	66	69	68	70	70	67	65	66	65	65	63	1	—	0.3	0.3	0.3
28 <i>C. vicina</i> <sup>(GB3)</sup>	86	87	87	86	89	77	76	84	85	77	77	73	66	66	64	69	68	70	70	67	63	64	65	63	61	1	2	—	0.3	0.3
29 <i>C. vicina</i> <sup>(GB4)</sup>	87	88	88	87	90	78	77	86	87	79	79	74	67	67	65	68	67	69	69	66	65	66	65	63	61	1	2	2	—	0.3
30 <i>C. vicina</i> <sup>*5</sup>	87	88	88	87	90	78	77	86	87	79	79	75	68	68	66	69	68	70	70	67	65	66	67	65	63	1	2	2	2	—

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV.

**Material suplementario / Supplementary material**

**Table S39. (Continued)**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
31 <i>C. vicina</i> <sup>GB6</sup>	86	87	87	86	89	77	76	84	85	77	77	73	66	66	66	69	68	70	70	67	65	66	67	65	63	1	2	2	2	2	
32 <i>C. vicina</i> <sup>GB7</sup>	86	87	87	86	89	77	76	84	85	77	77	73	66	66	64	67	66	68	68	65	63	64	65	63	61	1	2	2	2	2	
33 <i>C. vicina</i> <sup>GB8</sup>	86	87	87	86	89	79	78	86	87	77	77	73	68	68	66	67	66	68	68	65	63	64	65	63	61	1	2	2	2	2	
34 <i>C. vicina</i> <sup>GB9</sup>	88	89	89	88	91	79	78	85	86	79	79	74	67	67	65	68	67	69	69	66	64	65	66	64	62	1	2	2	2	2	
35 <i>C. vicina</i> <sup>GB10</sup>	88	89	89	88	91	79	78	84	85	79	79	73	68	68	66	69	68	70	70	67	65	66	67	65	63	1	2	2	2	2	
36 <i>C. vicina</i> <sup>GB11</sup>	86	87	87	86	89	78	77	87	88	78	78	73	66	66	64	67	66	68	68	65	64	65	66	64	62	2	3	3	1	3	
37 <i>C. vicina</i> <sup>GB12</sup>	87	88	88	87	90	78	77	83	84	78	78	72	67	67	65	68	67	69	69	66	64	65	66	64	62	2	3	3	3	3	
38 <i>C. vicina</i> <sup>GB13</sup>	87	88	88	87	90	78	77	85	86	78	78	74	67	67	65	70	69	71	71	68	64	65	66	64	62	2	3	1	3	3	
39 <i>C. vicina</i> <sup>GB14</sup>	89	90	90	89	92	78	77	84	85	80	80	75	66	66	64	69	68	70	70	67	65	66	67	65	63	2	3	3	3	3	
40 <i>C. vicina</i> <sup>GB15</sup>	89	90	90	89	92	80	79	84	85	80	80	75	68	68	66	69	68	70	70	67	63	64	65	63	61	2	3	3	3	3	
41 <i>C. vicina</i> <sup>GB16</sup>	87	88	88	87	90	79	78	87	88	80	80	75	67	67	65	68	67	69	69	66	66	67	68	66	64	2	3	3	1	3	
42 <i>C. vicina</i> <sup>GB17</sup>	89	90	90	89	92	80	79	85	86	78	78	74	67	69	69	67	70	69	71	71	68	64	65	66	64	60	2	3	3	3	3
43 <i>C. vicina</i> <sup>GB18</sup>	89	90	90	89	92	80	79	87	87	80	80	76	69	69	67	70	69	71	71	68	64	65	66	64	64	2	3	3	3	3	
44 <i>C. vicina</i> <sup>GB19</sup>	89	90	90	89	92	80	79	85	86	80	80	74	69	69	67	70	69	71	71	68	66	67	68	66	64	2	3	3	3	3	
45 <i>C. vicina</i> <sup>GB20</sup>	86	87	87	86	89	76	75	83	84	78	78	74	65	65	63	68	67	69	69	66	62	63	64	62	60	2	3	3	3	3	
46 <i>C. vicina</i> <sup>GB21</sup>	87	88	88	87	90	78	77	84	85	78	78	74	66	66	64	67	66	68	68	65	65	66	67	65	63	2	3	3	3	3	
47 <i>C. vicina</i> <sup>GB22</sup>	87	88	88	87	90	79	78	88	89	79	79	74	67	67	65	68	67	69	69	66	65	66	67	65	63	3	4	4	2	4	
48 <i>C. vicina</i> <sup>GB23</sup>	86	87	87	86	89	78	77	86	87	77	77	73	66	66	64	69	68	70	70	67	63	64	65	63	61	3	4	2	4	4	
49 <i>C. vicina</i> <sup>GB24</sup>	86	87	87	86	89	77	76	84	85	77	77	74	65	65	63	66	65	67	67	64	65	66	67	65	63	3	4	4	4	4	
50 <i>C. vomitoria</i> <sup>GB1</sup>	85	86	84	83	88	74	73	79	81	75	75	71	68	68	68	69	68	68	70	65	54	55	57	55	53	30	31	31	31	31	
51 <i>C. vomitoria</i> <sup>GB2</sup>	84	85	83	82	87	73	72	79	81	75	75	71	67	67	67	68	67	67	69	64	53	54	56	54	52	29	30	30	30	30	
52 <i>L. sericata</i> <sup>GB1</sup>	74	75	73	72	77	73	72	75	76	64	64	62	55	55	55	50	49	51	51	54	52	51	54	51	51	57	58	56	57	58	
53 <i>L. sericata</i> <sup>GB2</sup>	73	74	72	71	76	72	71	74	75	65	65	63	54	54	54	51	50	52	52	55	51	50	53	50	50	58	59	57	58	59	
54 <i>L. sericata</i> <sup>GB3</sup>	75	76	74	73	78	74	73	75	76	65	65	63	56	56	56	51	50	52	52	55	53	52	55	51	52	57	58	56	57	58	
55 <i>L. cuprina</i> <sup>GB1</sup>	66	67	65	64	69	65	64	72	73	65	65	68	49	49	49	49	48	50	50	51	53	52	55	52	48	60	61	59	60	61	
56 <i>L. cuprina</i> <sup>GB2</sup>	67	68	66	65	70	66	65	73	74	66	66	69	50	50	50	50	49	51	51	52	54	53	56	53	49	61	62	60	61	62	
57 <i>L. cuprina</i> <sup>GB3</sup>	67	68	66	65	70	64	63	73	74	66	66	69	50	50	50	50	49	51	51	52	54	53	56	53	49	59	60	58	59	60	
58 <i>L. cuprina</i> <sup>GB4</sup>	76	77	75	74	79	73	72	72	73	61	61	61	53	53	53	49	48	50	50	53	49	48	51	48	48	54	55	53	54	55	
59 <i>L. cuprina</i> <sup>GB5</sup>	77	78	76	75	80	74	73	72	73	62	62	61	53	53	53	49	48	50	50	53	49	48	51	48	48	55	56	54	55	56	
60 <i>L. ampullacea</i> <sup>GB1</sup>	83	84	84	83	86	75	74	74	74	67	67	71	57	57	57	63	62	62	64	61	53	54	55	54	57	61	62	60	62	62	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV.

Table S39. (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
61 <i>L. ampullacea</i> <sup>GB2</sup>	84	85	85	84	87	75	74	74	74	68	68	72	58	58	58	63	62	62	64	61	54	55	56	55	58	61	62	60	62	62
62 <i>L. caesar</i> <sup>(*)1</sup>	81	82	80	79	84	65	64	75	76	67	67	67	59	58	59	54	55	53	55	54	54	55	56	55	58	61	62	60	62	62
63 <i>L. caesar</i> <sup>(GB2)</sup>	82	83	81	80	85	66	65	74	75	66	66	68	58	58	58	53	54	52	54	53	53	54	55	54	57	60	61	59	61	61
64 <i>L. caesar</i> <sup>(*)3</sup>	80	81	79	78	83	66	65	76	77	68	68	68	60	59	60	55	56	54	56	55	55	56	57	56	59	62	63	61	63	63
65 <i>L. caesar</i> <sup>(*)4</sup>	80	81	79	78	83	64	63	74	75	66	66	66	58	58	58	53	54	52	54	53	53	54	55	54	57	60	61	59	61	61
66 <i>L. caesar</i> <sup>(*)5</sup>	80	81	81	80	83	66	65	76	77	68	68	68	60	60	60	55	56	54	56	55	55	56	57	56	59	60	61	59	61	61
67 <i>L. caesar</i> <sup>(*)6</sup>	80	81	79	78	83	66	65	74	75	66	66	66	58	58	58	53	54	52	54	53	53	54	55	54	57	62	63	61	63	63
68 <i>L. caesar</i> <sup>(GB7)</sup>	83	84	82	81	86	67	66	74	75	67	67	69	59	59	59	54	55	53	55	54	54	55	56	55	58	61	62	60	62	62
69 <i>L. caesar</i> <sup>(*)7</sup>	83	84	82	81	86	67	66	74	75	67	67	69	59	59	59	54	55	53	55	54	54	55	56	55	58	61	62	60	62	62
70 <i>L. caesar</i> <sup>(*)8</sup>	81	82	80	79	84	65	64	76	77	68	68	68	59	59	59	54	55	53	55	54	54	55	56	55	58	61	62	60	62	62
71 <i>L. caesar</i> <sup>(*)9</sup>	81	82	80	79	84	65	64	75	76	67	67	67	59	59	59	54	55	53	55	54	54	55	56	55	58	59	60	58	60	60
72 <i>L. caesar</i> <sup>(*)10</sup>	81	82	80	79	84	65	64	75	76	69	69	69	57	57	57	56	55	55	57	56	52	53	54	53	58	59	60	58	60	60
73 <i>L. caesar</i> <sup>(GB11)</sup>	83	84	82	81	86	67	66	74	75	69	69	71	57	57	57	56	55	55	57	56	52	53	54	53	58	59	60	58	60	60
74 <i>L. caesar</i> <sup>(*)11</sup>	83	84	82	81	86	67	66	74	75	69	69	71	57	57	57	56	55	55	57	56	52	53	54	53	58	59	60	58	60	60
75 <i>L. caesar</i> <sup>(*)12</sup>	82	83	81	80	85	68	67	73	74	68	68	70	56	56	56	55	54	54	56	55	51	52	53	52	57	60	61	59	61	61
76 <i>L. caesar</i> <sup>(*)13</sup>	82	83	81	80	85	66	65	75	76	68	68	70	56	56	56	55	54	54	56	55	53	54	55	54	59	58	59	57	59	59
77 <i>L. caesar</i> <sup>(*)14</sup>	80	81	79	78	83	66	65	74	75	66	66	68	54	54	54	53	52	52	54	53	51	52	53	52	57	58	59	57	59	59
78 <i>L. caesar</i> <sup>(*)15</sup>	84	85	83	82	87	68	67	76	77	67	67	71	60	60	60	53	54	52	54	53	55	56	57	56	59	62	63	61	63	63
79 <i>L. caesar</i> <sup>(GB16)</sup>	77	78	78	77	80	61	60	79	80	64	64	70	59	59	57	54	53	53	55	52	52	51	54	51	54	56	57	55	57	57
80 <i>L. caesar</i> <sup>(GB17)</sup>	78	79	79	78	81	62	61	80	81	65	65	71	58	58	56	55	54	54	56	53	51	50	53	50	55	55	56	54	56	56
81 <i>L. illustris</i> <sup>(GB1)</sup>	77	78	78	77	80	61	60	79	80	64	64	70	59	59	57	54	53	53	55	52	52	51	54	51	54	56	57	55	57	57
82 <i>L. illustris</i> <sup>(GB2)</sup>	76	77	77	76	79	60	59	79	80	64	64	70	58	58	56	53	52	52	54	51	51	50	53	50	53	55	56	54	56	56
83 <i>L. illustris</i> <sup>(GB3)</sup>	76	77	77	76	79	60	59	78	79	63	63	69	58	58	56	55	54	54	56	53	51	50	53	50	53	55	56	54	56	56
84 <i>L. illustris</i> <sup>(GB4)</sup>	76	77	77	76	79	60	59	78	79	63	63	69	58	58	56	53	52	52	54	51	51	50	53	50	53	57	58	56	58	58
85 <i>L. illustris</i> <sup>(GB5)</sup>	78	79	79	78	81	61	60	80	81	65	65	71	60	60	58	55	54	54	56	53	53	52	55	52	55	56	57	55	57	57
86 <i>L. illustris</i> <sup>(GB6)</sup>	78	79	79	78	81	62	61	80	81	64	64	68	60	60	58	52	52	51	53	52	53	52	55	52	55	57	58	56	58	58
87 <i>L. illustris</i> <sup>(GB7)</sup>	78	79	79	78	81	60	59	78	79	65	65	71	58	58	56	55	54	54	56	53	51	52	53	52	53	55	56	54	56	56
88 <i>L. illustris</i> <sup>(*)8</sup>	76	77	77	76	79	60	59	78	79	63	63	69	58	58	58	55	54	54	56	53	53	52	55	52	55	57	58	56	58	58
89 <i>L. illustris</i> <sup>(GB9)</sup>	79	80	80	79	82	63	62	80	81	65	65	71	60	60	58	55	54	54	56	53	54	53	56	53	56	58	59	57	59	59
90 <i>L. illustris</i> <sup>(GB10)</sup>	82	83	81	80	85	68	67	75	76	70	70	72	58	58	58	57	56	56	58	57	53	54	55	54	59	60	61	59	61	61

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV.

**Material suplementario / Supplementary material**

**Table S39.** (Continued)

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1 <i>H. bovis</i> <sup>GB1</sup>	14.0	14.0	14.0	14.3	14.3	14.0	14.1	14.1	14.4	14.4	14.1	14.4	14.4	14.4	14.0	14.1	14.1	14.0	14.0	13.8	13.6	12.0	11.9	12.2	10.7	10.9	10.9	12.3	12.5	13.5
2 <i>H. bovis</i> <sup>GB2</sup>	14.1	14.1	14.1	14.4	14.4	14.1	14.3	14.3	14.6	14.6	14.3	14.6	14.6	14.6	14.1	14.3	14.3	14.1	14.1	14.0	13.8	12.2	12.0	12.3	10.9	11.0	11.0	12.5	12.7	13.6
3 <i>H. bovis</i> <sup>GB3</sup>	14.1	14.1	14.1	14.4	14.4	14.1	14.3	14.3	14.6	14.6	14.3	14.6	14.6	14.6	14.1	14.3	14.3	14.1	14.1	13.6	13.5	11.9	11.7	12.0	10.6	10.7	10.7	12.2	12.3	13.6
4 <i>H. bovis</i> <sup>*4</sup>	14.0	14.0	14.0	14.3	14.3	14.0	14.1	14.1	14.4	14.4	14.1	14.4	14.4	14.4	14.0	14.1	14.1	14.0	14.0	13.5	13.3	11.7	11.5	11.9	10.4	10.6	10.6	12.0	12.2	13.5
5 <i>H. bovis</i> <sup>GB5</sup>	14.4	14.4	14.4	14.8	14.8	14.4	14.6	14.6	14.9	14.9	14.6	14.9	14.9	14.9	14.4	14.6	14.6	14.4	14.4	14.3	14.1	12.5	12.3	12.7	11.2	11.4	11.4	12.8	13.0	14.0
6 <i>H. lineatum</i> <sup>GB1</sup>	12.5	12.5	12.8	12.8	12.8	12.7	12.7	12.7	12.7	13.0	12.8	13.0	13.0	13.0	12.3	12.7	12.8	12.7	12.5	12.0	11.9	11.9	11.7	12.0	10.6	10.7	10.4	11.9	12.0	12.2
7 <i>H. lineatum</i> <sup>GB2</sup>	12.3	12.3	12.7	12.7	12.7	12.5	12.5	12.5	12.5	12.8	12.7	12.8	12.8	12.8	12.2	12.5	12.7	12.5	12.3	11.9	11.7	11.7	11.5	11.9	10.4	10.6	10.2	11.7	11.9	12.0
8 <i>M. autumnalis</i> <sup>*1</sup>	13.6	13.6	14.0	13.8	13.6	14.1	13.5	13.8	13.6	13.6	14.1	13.8	14.1	13.8	13.5	13.6	14.3	14.0	13.6	12.8	12.8	12.2	12.0	12.2	11.7	11.9	11.7	11.7	11.7	12.0
9 <i>M. autumnalis</i> <sup>GB2</sup>	13.8	13.8	14.1	14.0	13.8	14.3	13.6	14.0	13.8	13.8	14.3	14.0	14.1	14.0	13.6	13.8	14.4	14.1	13.8	13.1	13.1	12.3	12.2	12.3	11.9	12.0	12.0	11.9	11.9	12.0
10 <i>M. domestica</i> <sup>GB1</sup>	12.5	12.5	12.5	12.8	12.8	12.7	12.7	12.7	13.0	13.0	13.0	12.7	13.0	13.0	12.7	12.7	12.8	12.5	12.5	12.2	12.2	10.4	10.6	10.6	10.6	10.7	10.7	9.9	10.1	10.9
11 <i>M. domestica</i> <sup>GB2</sup>	12.5	12.5	12.5	12.8	12.8	12.7	12.7	12.7	13.0	13.0	13.0	12.7	13.0	13.0	12.7	12.7	12.8	12.5	12.5	12.2	12.2	10.4	10.6	10.6	10.6	10.7	10.7	9.9	10.1	10.9
12 <i>M. sorbens</i> <sup>GB1</sup>	11.9	11.9	11.9	12.0	11.9	11.9	11.7	12.0	12.2	12.2	12.2	12.3	12.3	12.0	12.0	12.0	12.0	11.9	12.0	11.5	11.5	10.1	10.2	10.2	11.0	11.2	11.2	9.9	9.9	11.5
13 <i>Ch. albiceps</i> <sup>GB1</sup>	10.7	10.7	11.0	10.9	11.0	10.7	10.9	10.9	10.7	11.0	10.9	11.2	11.2	11.2	10.6	10.7	10.9	10.7	10.6	11.0	10.9	8.9	8.8	9.1	8.0	8.1	8.1	8.6	8.6	9.3
14 <i>Ch. albiceps</i> <sup>*1</sup>	10.7	10.7	11.0	10.9	11.0	10.7	10.9	10.9	10.7	11.0	10.9	11.2	11.2	11.2	10.6	10.7	10.9	10.7	10.6	11.0	10.9	8.9	8.8	9.1	8.0	8.1	8.1	8.6	8.6	9.3
15 <i>Ch. albiceps</i> <sup>GB2</sup>	10.7	10.4	10.7	10.6	10.7	10.4	10.6	10.6	10.4	10.7	10.6	10.9	10.9	10.9	10.2	10.4	10.6	10.4	10.2	11.0	10.9	8.9	8.8	9.1	8.0	8.1	8.1	8.6	8.6	9.3
16 <i>Ch. megacephala</i> <sup>GB1</sup>	11.2	10.9	10.9	11.0	11.2	10.9	11.0	11.4	11.2	11.2	11.0	11.4	11.4	11.4	11.0	10.9	11.0	11.2	10.7	11.2	11.0	8.1	8.3	8.3	8.0	8.1	8.1	8.0	8.0	10.2
17 <i>Ch. megacephala</i> <sup>GB2</sup>	11.0	10.7	10.7	10.9	11.0	10.7	10.9	11.2	11.0	11.0	10.9	11.2	11.2	11.2	10.9	10.7	10.9	11.0	10.6	11.0	10.9	8.0	8.1	8.1	7.8	8.0	8.0	7.8	7.8	10.1
18 <i>Ch. megacephala</i> <sup>GB3</sup>	11.4	11.0	11.0	11.2	11.4	11.0	11.2	11.5	11.4	11.4	11.2	11.5	11.5	11.5	11.2	11.0	11.2	11.4	10.9	11.0	10.9	8.3	8.4	8.4	8.1	8.3	8.3	8.1	8.1	10.1
19 <i>Ch. megacephala</i> <sup>GB4</sup>	11.4	11.0	11.0	11.2	11.4	11.0	11.2	11.5	11.4	11.4	11.2	11.5	11.5	11.5	11.2	11.0	11.2	11.4	10.9	11.4	11.2	8.3	8.4	8.4	8.1	8.3	8.3	8.1	8.1	10.4
20 <i>Ch. megacephala</i> <sup>GB5</sup>	10.9	10.6	10.6	10.7	10.9	10.6	10.7	11.0	10.9	10.9	10.7	11.0	11.0	11.0	10.7	10.6	10.7	10.9	10.4	10.6	10.4	8.8	8.9	8.9	8.3	8.4	8.4	8.6	8.6	9.9
21 <i>P. regina</i> <sup>GB1</sup>	10.6	10.2	10.2	10.4	10.6	10.4	10.4	10.4	10.6	10.2	10.7	10.4	10.4	10.7	10.1	10.6	10.6	10.2	10.6	8.8	8.6	8.4	8.3	8.6	8.6	8.8	8.8	8.0	8.0	8.6
22 <i>P. regina</i> <sup>GB2</sup>	10.7	10.4	10.4	10.6	10.7	10.6	10.6	10.6	10.7	10.4	10.9	10.6	10.6	10.9	10.2	10.7	10.7	10.4	10.7	8.9	8.8	8.3	8.1	8.4	8.4	8.6	8.6	7.8	7.8	8.8
23 <i>P. regina</i> <sup>GB3</sup>	10.9	10.6	10.6	10.7	10.9	10.7	10.7	10.7	10.9	10.6	11.0	10.7	10.7	11.0	10.4	10.9	10.9	10.6	10.9	9.3	9.1	8.8	8.6	8.9	8.9	9.1	9.1	8.3	8.3	8.9
24 <i>P. regina</i> <sup>GB4</sup>	10.6	10.2	10.2	10.4	10.6	10.4	10.4	10.4	10.6	10.2	10.7	10.4	10.4	10.7	10.1	10.6	10.6	10.2	10.6	8.9	8.8	8.3	8.1	8.3	8.4	8.6	8.6	7.8	7.8	8.8
25 <i>P. regina</i> <sup>GB5</sup>	10.2	9.9	9.9	10.1	10.2	10.1	10.1	10.1	10.2	9.9	10.4	9.7	10.4	10.4	9.7	10.2	10.2	9.9	10.2	8.6	8.4	8.3	8.1	8.4	7.8	8.0	8.0	7.8	7.8	9.3
26 <i>C. vicina</i> <sup>GB1</sup>	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	0.5	0.5	0.5	0.5	4.9	4.7	9.3	9.4	9.3	9.7	9.9	9.6	8.8	8.9	9.9
27 <i>C. vicina</i> <sup>*2</sup>	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	5.0	4.9	9.4	9.6	9.4	9.9	10.1	9.7	8.9	9.1	10.1
28 <i>C. vicina</i> <sup>GB3</sup>	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.3	0.6	5.0	4.9	9.1	9.3	9.1	9.6	9.7	9.4	8.6	8.8	9.7
29 <i>C. vicina</i> <sup>GB4</sup>	0.3	0.3	0.3	0.3	0.3	0.2	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.3	0.6	0.6	5.0	4.9	9.3	9.4	9.3	9.7	9.9	9.6	8.8	8.9	10.1
30 <i>C. vicina</i> <sup>*5</sup>	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	5.0	4.9	9.4	9.6	9.4	9.9	10.1	9.7	8.9	9.1	10.1

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV.

*Material suplementario / Supplementary material*

**Table S39. (Continued)**

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
31 <i>C. vicina</i> <sup>GB6</sup>	—	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.7	4.5	9.1	9.3	9.1	9.6	9.7	9.4	8.6	8.8	9.7
32 <i>C. vicina</i> <sup>GB7</sup>	2	—	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.7	4.5	9.1	9.3	9.1	9.6	9.7	9.4	8.6	8.8	9.7
33 <i>C. vicina</i> <sup>GB8</sup>	2	2	—	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.7	4.5	9.1	9.3	9.1	9.6	9.7	9.4	8.6	8.8	9.7
34 <i>C. vicina</i> <sup>GB9</sup>	2	2	2	—	0.3	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.5	0.2	0.6	0.6	0.6	5.0	4.9	9.4	9.6	9.4	9.9	10.1	9.7	8.9	8.8	10.1	
35 <i>C. vicina</i> <sup>GB10</sup>	2	2	2	2	—	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.6	0.6	0.6	5.0	4.9	9.4	9.6	9.4	9.9	10.1	9.7	8.9	9.1	10.1
36 <i>C. vicina</i> <sup>GB11</sup>	3	3	3	3	3	—	0.6	0.6	0.6	0.6	0.3	0.6	0.6	0.6	0.6	0.6	0.2	0.5	0.8	4.9	4.7	9.1	9.3	9.1	9.6	9.7	9.4	8.6	8.8	9.9
37 <i>C. vicina</i> <sup>GB12</sup>	3	3	3	3	1	4	—	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.6	0.6	0.8	0.8	0.8	4.9	4.7	9.3	9.4	9.3	9.7	9.9	9.6	8.8	8.9	10.1
38 <i>C. vicina</i> <sup>GB13</sup>	3	3	3	3	3	4	4	—	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.5	0.8	5.2	5.0	9.3	9.4	9.3	9.7	9.9	9.6	8.8	8.9	9.9
39 <i>C. vicina</i> <sup>GB14</sup>	3	3	3	1	3	4	4	4	—	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.8	0.8	0.8	5.2	5.0	9.6	9.7	9.6	10.1	10.2	9.9	9.1	8.9	10.2
40 <i>C. vicina</i> <sup>GB15</sup>	3	3	3	1	3	4	4	4	2	—	0.6	0.3	0.6	0.6	0.6	0.3	0.8	0.8	0.8	5.2	5.0	9.3	9.4	9.3	10.1	10.2	9.9	8.8	8.6	9.9
41 <i>C. vicina</i> <sup>GB16</sup>	3	3	3	3	2	4	4	4	4	—	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.8	0.5	5.2	5.0	9.4	9.6	9.4	9.9	10.1	9.7	8.9	9.1	9.9
42 <i>C. vicina</i> <sup>GB17</sup>	3	3	3	3	3	4	4	4	2	4	—	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	5.2	5.0	8.9	9.1	8.9	10.1	10.2	9.9	8.4	8.6	9.6
43 <i>C. vicina</i> <sup>GB18</sup>	3	3	3	3	3	4	4	4	4	4	4	4	—	0.6	0.6	0.6	0.8	0.8	0.8	5.2	5.0	9.6	9.7	9.6	10.1	10.2	9.9	9.1	9.3	9.9
44 <i>C. vicina</i> <sup>GB19</sup>	3	3	3	3	1	4	2	4	4	4	4	4	4	—	0.6	0.6	0.8	0.8	0.8	5.2	5.0	9.6	9.7	9.6	10.1	10.2	9.9	9.1	9.3	10.2
45 <i>C. vicina</i> <sup>GB20</sup>	3	3	3	3	3	4	4	4	4	4	4	4	4	4	—	0.6	0.8	0.8	0.5	4.5	4.4	9.3	9.1	9.3	9.4	9.6	9.3	8.8	8.9	9.6
46 <i>C. vicina</i> <sup>GB21</sup>	3	3	3	1	3	4	4	4	2	2	4	4	4	4	4	—	0.8	0.8	0.5	4.9	4.7	9.6	9.7	9.6	9.7	9.9	9.6	9.1	8.9	9.9
47 <i>C. vicina</i> <sup>GB22</sup>	4	4	4	4	4	1	5	5	5	3	5	5	5	5	5	5	—	0.3	1.0	5.0	4.9	9.3	9.4	9.3	9.7	9.9	9.6	8.8	8.9	10.1
48 <i>C. vicina</i> <sup>GB23</sup>	4	4	4	4	4	3	5	3	5	5	5	5	5	5	5	5	2	—	1.0	5.0	4.9	9.1	9.3	9.1	9.6	9.7	9.4	8.6	8.8	9.7
49 <i>C. vicina</i> <sup>GB24</sup>	4	4	4	4	4	5	5	5	5	3	5	5	5	3	3	6	6	—	4.7	4.5	9.4	9.6	9.4	9.6	9.7	9.4	8.9	9.1	9.4	
50 <i>C. vomitoria</i> <sup>GB1</sup>	29	29	29	31	31	30	30	32	32	32	32	32	32	32	28	30	31	31	29	—	0.2	8.6	8.4	8.8	8.4	8.6	8.3	8.1	8.3	8.4
51 <i>C. vomitoria</i> <sup>GB2</sup>	28	28	28	30	30	29	29	31	31	31	31	31	31	31	27	29	30	30	28	1	—	8.4	8.3	8.6	8.3	8.4	8.1	8.0	8.1	8.6
52 <i>L. sericata</i> <sup>GB1</sup>	56	56	56	58	58	56	57	57	59	57	58	55	59	59	57	59	57	56	58	53	52	—	0.2	0.2	4.1	4.2	4.2	0.8	1.0	7.0
53 <i>L. sericata</i> <sup>GB2</sup>	57	57	57	59	59	57	58	58	60	58	59	56	60	60	56	60	58	57	59	52	51	1	—	0.3	3.9	4.1	4.1	1.0	1.1	6.8
54 <i>L. sericata</i> <sup>GB3</sup>	56	56	56	58	58	56	57	57	59	57	58	55	59	59	57	59	57	56	58	54	53	1	2	—	4.2	4.4	4.4	1.0	1.1	7.1
55 <i>L. cuprina</i> <sup>GB1</sup>	59	59	59	61	61	59	60	60	62	62	61	62	62	62	58	60	60	59	59	52	51	25	24	26	—	0.2	0.2	3.6	3.7	8.1
56 <i>L. cuprina</i> <sup>GB2</sup>	60	60	60	62	62	60	61	61	63	63	62	63	63	63	59	61	61	60	60	53	52	26	25	27	1	—	0.3	3.7	3.9	8.3
57 <i>L. cuprina</i> <sup>GB3</sup>	58	58	58	60	60	58	59	59	61	61	60	61	61	61	57	59	59	58	58	51	50	26	25	27	1	2	—	3.7	3.9	8.0
58 <i>L. cuprina</i> <sup>GB4</sup>	53	53	53	55	55	53	54	54	56	54	55	52	56	56	54	56	54	53	55	50	49	5	6	6	22	23	23	—	0.2	6.8
59 <i>L. cuprina</i> <sup>GB5</sup>	54	54	54	54	56	54	55	55	55	53	56	53	57	57	55	55	55	54	56	51	50	6	7	7	23	24	24	1	—	7.0
60 <i>L. ampullacea</i> <sup>GB1</sup>	60	60	60	62	62	61	62	61	63	61	61	59	61	63	59	61	62	60	58	52	53	43	42	44	50	51	49	42	43	—

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV.

**Material suplementario / Supplementary material**

**Table S39. (Continued)**

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
61	<i>L. ampullacea</i> <sup>GB2</sup>	60	60	60	62	62	61	62	61	63	61	61	59	61	61	59	61	62	60	58	52	53	43	42	44	50	51	49	42	43	4
62	<i>L. caesar</i> <sup>(*)1</sup>	60	60	60	62	60	61	59	61	63	61	63	59	63	61	61	61	62	60	60	55	56	38	39	39	45	46	44	37	38	38
63	<i>L. caesar</i> <sup>(GB2)</sup>	59	59	59	61	59	60	58	60	62	60	62	58	62	60	60	60	61	59	59	54	55	39	40	40	44	45	43	36	37	37
64	<i>L. caesar</i> <sup>(*)3</sup>	61	61	61	63	61	62	60	62	64	62	64	60	64	62	62	62	63	61	61	56	57	37	38	38	46	47	45	38	39	39
65	<i>L. caesar</i> <sup>(*)4</sup>	59	59	59	61	59	60	58	60	62	60	62	58	62	60	60	60	61	59	59	54	55	37	38	38	44	45	43	36	37	37
66	<i>L. caesar</i> <sup>(*)5</sup>	59	59	59	61	59	60	58	60	62	60	62	58	62	60	60	60	61	59	59	56	57	39	40	40	46	47	45	38	39	37
67	<i>L. caesar</i> <sup>(*)6</sup>	61	61	61	63	61	62	60	62	64	62	64	60	64	62	62	62	63	61	61	56	57	37	38	38	44	45	45	36	37	39
68	<i>L. caesar</i> <sup>(GB7)</sup>	60	60	60	62	60	61	59	61	63	61	63	59	63	61	61	61	62	60	60	55	56	40	41	41	45	46	44	37	38	38
69	<i>L. caesar</i> <sup>(*)7</sup>	60	60	60	62	60	61	59	61	63	61	63	59	63	61	61	61	62	60	60	55	56	40	41	41	45	46	44	37	38	38
70	<i>L. caesar</i> <sup>(*)8</sup>	60	60	60	62	60	61	59	61	63	61	63	59	63	61	61	61	62	60	60	55	56	39	40	40	46	47	45	38	39	38
71	<i>L. caesar</i> <sup>(*)9</sup>	58	58	58	60	58	59	59	59	61	59	61	57	61	59	59	59	60	58	58	55	56	38	39	39	45	46	44	37	38	37
72	<i>L. caesar</i> <sup>(*)10</sup>	58	58	58	60	58	59	57	59	61	59	61	57	61	59	59	59	60	58	58	53	54	36	37	37	45	46	44	35	36	38
73	<i>L. caesar</i> <sup>(GB11)</sup>	58	58	58	60	58	59	57	59	61	59	61	57	61	59	59	59	60	58	58	53	54	38	39	39	45	46	44	35	36	38
74	<i>L. caesar</i> <sup>(*)11</sup>	58	58	58	60	58	59	57	59	61	59	61	57	61	59	59	59	60	58	58	53	54	38	39	39	45	46	44	35	36	38
75	<i>L. caesar</i> <sup>(*)12</sup>	59	59	59	61	59	60	58	60	62	60	62	58	62	60	60	60	61	59	59	54	55	37	38	38	44	45	45	34	35	39
76	<i>L. caesar</i> <sup>(*)13</sup>	57	57	57	59	57	58	56	58	60	60	60	58	60	58	58	58	59	57	57	52	53	39	40	40	44	45	43	36	37	39
77	<i>L. caesar</i> <sup>(*)14</sup>	57	57	57	59	57	58	56	58	60	60	60	58	60	58	58	58	59	57	57	52	53	37	38	38	42	43	43	34	35	39
78	<i>L. caesar</i> <sup>(*)15</sup>	61	61	61	63	61	62	60	62	64	62	64	60	64	62	62	62	63	61	61	56	57	42	43	43	47	48	46	39	40	39
79	<i>L. caesar</i> <sup>(GB16)</sup>	57	55	55	57	57	56	58	56	58	58	58	56	58	58	54	56	57	55	55	54	55	43	42	44	44	45	43	42	43	33
80	<i>L. caesar</i> <sup>(GB17)</sup>	56	54	54	56	56	55	57	55	57	57	57	55	57	57	53	55	56	54	54	53	54	42	41	43	45	46	44	41	42	34
81	<i>L. illustris</i> <sup>(GB1)</sup>	57	55	55	57	57	56	58	56	58	58	58	56	58	58	54	56	57	55	55	54	55	43	42	44	44	45	43	42	43	33
82	<i>L. illustris</i> <sup>(GB2)</sup>	56	54	54	56	56	55	57	55	57	57	57	55	57	57	53	55	56	54	54	55	54	42	41	43	43	44	42	41	42	34
83	<i>L. illustris</i> <sup>(GB3)</sup>	56	54	54	56	56	55	57	55	57	57	57	55	57	57	53	55	56	54	54	53	54	42	41	43	43	44	42	41	42	32
84	<i>L. illustris</i> <sup>(GB4)</sup>	58	56	56	58	58	57	57	57	59	59	59	57	59	59	55	57	58	56	56	53	54	42	41	43	43	44	42	41	42	33
85	<i>L. illustris</i> <sup>(GB5)</sup>	57	55	55	57	57	56	58	56	58	58	58	56	58	58	54	56	57	55	55	54	55	44	43	45	45	46	44	43	44	34
86	<i>L. illustris</i> <sup>(GB6)</sup>	58	56	56	58	58	57	59	57	59	59	59	57	59	59	55	57	58	56	56	55	56	42	41	43	45	46	44	41	42	34
87	<i>L. illustris</i> <sup>(GB7)</sup>	56	54	54	56	56	55	57	55	57	57	57	55	57	57	53	55	56	54	54	53	54	44	43	45	45	46	44	43	44	32
88	<i>L. illustris</i> <sup>(*)8</sup>	56	56	56	58	58	57	59	57	59	59	59	57	59	59	55	57	58	56	56	53	54	42	41	43	43	44	42	41	42	32
89	<i>L. illustris</i> <sup>(GB9)</sup>	59	57	57	59	59	58	60	58	60	60	60	58	60	60	56	58	59	57	57	56	57	44	43	45	45	46	44	43	44	35
90	<i>L. illustris</i> <sup>(GB10)</sup>	59	59	59	61	59	60	58	60	62	60	62	58	62	60	60	60	61	59	59	54	55	37	38	38	46	47	45	36	37	39

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV.

Material suplementario / Supplementary material

Table S39. (Continued)

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	
1 <i>H. bovis</i> <sup>(GB1)</sup>	13.6	13.1	13.3	13.0	13.0	13.0	13.0	13.5	13.5	13.1	13.1	13.1	13.5	13.5	13.3	13.3	13.0	13.6	12.5	12.7	12.5	12.3	12.3	12.3	12.7	12.7	12.7	12.3	12.8	13.3	
2 <i>H. bovis</i> <sup>(GB2)</sup>	13.8	13.3	13.5	13.1	13.1	13.1	13.1	13.6	13.6	13.3	13.3	13.3	13.6	13.6	13.5	13.5	13.1	13.8	12.7	12.8	12.7	12.5	12.5	12.5	12.8	12.8	12.7	12.3	12.8	13.3	
3 <i>H. bovis</i> <sup>(GB3)</sup>	13.8	13.0	13.1	12.8	12.8	13.1	12.8	13.3	13.3	13.0	13.0	13.0	13.3	13.3	13.1	13.1	12.8	13.5	12.7	12.8	12.7	12.5	12.5	12.5	12.8	12.8	12.8	12.5	13.0	13.1	
4 <i>H. bovis</i> <sup>*4</sup>	13.6	12.8	13.0	12.7	12.7	13.0	12.7	13.1	13.1	12.8	12.8	12.8	13.1	13.1	13.0	13.0	12.7	13.3	12.5	12.7	12.5	12.3	12.3	12.3	12.7	12.7	12.7	12.3	12.8	13.0	
5 <i>H. bovis</i> <sup>(GB5)</sup>	14.1	13.6	13.8	13.5	13.5	13.5	13.5	14.0	14.0	13.6	13.6	13.6	14.0	14.0	13.8	13.8	13.5	14.1	13.0	13.1	13.0	12.8	12.8	12.8	13.1	13.1	13.1	12.8	13.3	13.8	
6 <i>H. lineatum</i> <sup>(GB1)</sup>	12.2	10.6	10.7	10.7	10.4	10.7	10.7	10.9	10.9	10.6	10.6	10.6	10.9	10.9	11.0	10.7	10.7	11.0	9.9	10.1	9.9	9.7	9.7	9.7	9.9	10.1	9.7	9.7	10.2	11.0	
7 <i>H. lineatum</i> <sup>(GB2)</sup>	12.0	10.4	10.6	10.6	10.2	10.6	10.6	10.7	10.7	10.4	10.4	10.4	10.7	10.7	10.9	10.6	10.6	10.9	9.7	9.9	9.7	9.6	9.6	9.6	9.7	9.9	9.6	9.6	10.1	10.9	
8 <i>M. autumnalis</i> <sup>*1</sup>	12.0	12.2	12.0	12.3	12.0	12.3	12.0	12.0	12.0	12.3	12.2	12.2	12.0	12.0	11.9	12.2	12.0	12.3	12.8	13.0	12.8	12.8	12.7	12.7	13.0	13.0	12.7	12.7	13.0	12.2	
9 <i>M. autumnalis</i> <sup>(GB2)</sup>	12.0	12.3	12.2	12.5	12.2	12.5	12.2	12.2	12.2	12.5	12.3	12.3	12.2	12.2	12.0	12.3	12.2	12.5	13.0	13.1	13.0	13.0	12.8	12.8	13.1	13.1	12.8	12.8	13.1	12.3	
10 <i>M. domestica</i> <sup>(GB1)</sup>	11.0	10.9	10.7	11.0	10.7	11.0	10.7	10.9	10.9	11.0	10.9	11.2	11.2	11.2	11.0	11.0	10.7	10.9	10.4	10.6	10.4	10.4	10.2	10.2	10.6	10.4	10.6	10.2	10.6	11.4	
11 <i>M. domestica</i> <sup>(GB2)</sup>	11.0	10.9	10.7	11.0	10.7	11.0	10.7	10.9	10.9	11.0	10.9	11.2	11.2	11.2	11.0	11.0	10.7	10.9	10.4	10.6	10.4	10.4	10.2	10.2	10.6	10.4	10.6	10.2	10.6	11.4	
12 <i>M. sorbens</i> <sup>(GB1)</sup>	11.7	10.9	11.0	11.0	10.7	11.0	10.7	11.2	11.2	11.0	10.9	11.2	11.5	11.5	11.4	11.4	11.0	11.5	11.4	11.5	11.4	11.4	11.2	11.2	11.5	11.0	11.5	11.2	11.5	11.7	
13 <i>Ch. albiceps</i> <sup>(GB1)</sup>	9.4	9.6	9.4	9.7	9.4	9.7	9.4	9.6	9.6	9.6	9.6	9.3	9.3	9.3	9.1	9.1	8.8	9.7	9.6	9.4	9.6	9.4	9.4	9.4	9.7	9.7	9.4	9.4	9.7	9.4	
14 <i>Ch. albiceps</i> <sup>*1</sup>	9.4	9.4	9.4	9.6	9.4	9.7	9.4	9.6	9.6	9.6	9.6	9.3	9.3	9.3	9.1	9.1	8.8	9.7	9.6	9.4	9.6	9.4	9.4	9.4	9.7	9.7	9.4	9.4	9.7	9.4	
15 <i>Ch. albiceps</i> <sup>(GB2)</sup>	9.4	9.6	9.4	9.7	9.4	9.7	9.4	9.6	9.6	9.6	9.6	9.3	9.3	9.3	9.1	9.1	8.8	9.7	9.3	9.1	9.3	9.1	9.1	9.1	9.4	9.4	14.3	9.4	9.4	9.4	
16 <i>Ch. megacephala</i> <sup>(GB1)</sup>	10.2	8.8	8.6	8.9	8.6	8.9	8.6	8.8	8.8	8.8	8.8	9.1	9.1	9.1	8.9	8.9	8.6	8.6	8.8	8.9	8.8	8.6	8.9	8.6	8.9	8.4	8.9	8.9	8.9	9.3	
17 <i>Ch. megacephala</i> <sup>(GB2)</sup>	10.1	8.9	8.8	9.1	8.8	9.1	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.4	8.8	8.6	8.8	8.6	8.4	8.8	8.4	8.8	8.4	8.8	8.8	8.8	9.1	
18 <i>Ch. megacephala</i> <sup>(GB3)</sup>	10.1	8.6	8.4	8.8	8.4	8.8	8.4	8.6	8.6	8.6	8.6	8.9	8.9	8.9	8.8	8.8	8.4	8.4	8.6	8.8	8.6	8.4	8.8	8.4	8.8	8.3	8.8	8.8	8.8	9.1	
19 <i>Ch. megacephala</i> <sup>(GB4)</sup>	10.4	8.9	8.8	9.1	8.8	9.1	8.8	8.9	8.9	8.9	8.9	9.3	9.3	9.3	9.1	9.1	8.8	8.8	8.9	9.1	8.9	8.8	9.1	8.8	9.1	8.6	9.1	9.1	9.1	9.4	
20 <i>Ch. megacephala</i> <sup>(GB5)</sup>	9.9	8.8	8.6	8.9	8.6	8.9	8.6	8.8	8.8	8.8	8.8	9.1	9.1	9.1	8.9	8.9	8.6	8.6	8.4	8.6	8.4	8.3	8.6	8.3	8.6	8.4	8.6	8.6	8.6	9.3	
21 <i>P. regina</i> <sup>(GB1)</sup>	8.8	8.8	8.6	8.9	8.6	8.9	8.6	8.8	8.8	8.8	8.8	8.4	8.4	8.4	8.3	8.6	8.3	8.9	8.4	8.3	8.4	8.3	8.3	8.3	8.6	8.6	8.3	8.6	8.8	8.6	
22 <i>P. regina</i> <sup>(GB2)</sup>	8.9	8.9	8.8	9.1	8.8	9.1	8.8	8.9	8.9	8.9	8.9	8.6	8.6	8.6	8.4	8.8	8.4	9.1	8.3	8.1	8.3	8.1	8.1	8.1	8.1	8.4	8.4	8.4	8.4	8.6	8.8
23 <i>P. regina</i> <sup>(GB3)</sup>	9.1	9.1	8.9	9.3	8.9	9.3	8.9	9.1	9.1	9.1	9.1	8.8	8.8	8.8	8.6	8.9	8.6	9.3	8.8	8.6	8.8	8.6	8.6	8.6	8.9	8.9	8.6	8.9	9.1	8.9	
24 <i>P. regina</i> <sup>(GB4)</sup>	8.9	8.9	8.8	9.1	8.8	9.1	8.8	8.9	8.9	8.9	8.9	8.6	8.6	8.6	8.4	8.8	8.4	9.1	8.3	8.1	8.3	8.1	8.1	8.1	8.4	8.4	8.4	8.4	8.6	8.8	
25 <i>P. regina</i> <sup>(GB5)</sup>	9.4	9.4	9.3	9.6	9.3	9.6	9.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.3	9.6	9.3	9.6	8.8	8.9	8.8	8.6	8.6	8.6	8.9	8.9	8.6	8.9	9.1	9.6	
26 <i>C. vicina</i> <sup>(GB1)</sup>	9.9	9.9	9.7	10.1	9.7	9.7	10.1	9.9	9.9	9.9	9.6	9.6	9.6	9.6	9.7	9.4	9.4	10.1	9.1	8.9	9.1	8.9	8.9	9.3	9.1	9.3	8.9	9.3	9.4	9.7	
27 <i>C. vicina</i> <sup>*2</sup>	10.1	10.1	9.9	10.2	9.9	9.9	10.2	10.1	10.1	10.1	9.7	9.7	9.7	9.7	9.9	9.6	9.6	10.2	9.3	9.1	9.3	9.1	9.1	9.4	9.3	9.4	9.1	9.4	9.6	9.9	
28 <i>C. vicina</i> <sup>(GB3)</sup>	9.7	9.7	9.6	9.9	9.6	9.6	9.9	9.7	9.7	9.7	9.4	9.4	9.4	9.4	9.6	9.3	9.3	9.9	8.9	8.8	8.9	8.8	8.8	9.1	8.9	9.1	8.8	9.1	9.3	9.6	
29 <i>C. vicina</i> <sup>(GB4)</sup>	10.1	10.1	9.9	10.2	9.9	9.9	10.2	10.1	10.1	10.1	9.7	9.7	9.7	9.7	9.9	9.6	9.6	10.2	9.3	9.1	9.3	9.1	9.1	9.4	9.3	9.4	9.1	9.4	9.6	9.9	
30 <i>C. vicina</i> <sup>*5</sup>	10.1	10.1	9.9	10.2	9.9	9.9	10.2	10.1	10.1	10.1	9.7	9.7	9.7	9.7	9.9	9.6	9.6	10.2	9.3	9.1	9.3	9.1	9.1	9.4	9.3	9.4	9.1	9.4	9.6	9.9	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV.

**Material suplementario / Supplementary material**

**Table S39.** (Continued)

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
31 <i>C. vicina</i> <sup>GB6</sup>	9.7	9.7	9.6	9.9	9.6	9.6	9.9	9.7	9.7	9.7	9.4	9.4	9.4	9.4	9.6	9.3	9.3	9.9	9.3	9.1	9.3	9.1	9.1	9.4	9.3	9.4	9.1	9.1	9.6	9.6
32 <i>C. vicina</i> <sup>GB7</sup>	9.7	9.7	9.6	9.9	9.6	9.6	9.9	9.7	9.7	9.7	9.4	9.4	9.4	9.4	9.6	9.3	9.3	9.9	8.9	8.8	8.9	8.8	8.8	9.1	8.9	9.1	8.8	9.1	9.3	9.6
33 <i>C. vicina</i> <sup>GB8</sup>	9.7	9.7	9.6	9.9	9.6	9.6	9.9	9.7	9.7	9.7	9.4	9.4	9.4	9.4	9.6	9.3	9.3	9.9	8.9	8.8	8.9	8.8	8.8	9.1	8.9	9.1	8.8	9.1	9.3	9.6
34 <i>C. vicina</i> <sup>GB9</sup>	10.1	10.1	9.9	10.2	9.9	9.9	10.2	10.1	10.1	10.1	9.7	9.7	9.7	9.7	9.9	9.6	9.6	10.2	9.3	9.1	9.3	9.1	9.1	9.4	9.3	9.4	9.1	9.4	9.6	9.9
35 <i>C. vicina</i> <sup>GB10</sup>	10.1	9.7	9.6	9.9	9.6	9.6	9.9	9.7	9.7	9.7	9.4	9.4	9.4	9.4	9.6	9.3	9.3	9.9	9.3	9.1	9.3	9.1	9.1	9.4	9.3	9.4	9.1	9.4	9.6	9.6
36 <i>C. vicina</i> <sup>GB11</sup>	9.9	9.9	9.7	10.1	9.7	9.7	10.1	9.9	9.9	9.9	9.6	9.6	9.6	9.6	9.7	9.4	9.4	10.1	9.1	8.9	9.1	8.9	8.9	9.3	9.1	9.3	8.9	9.3	9.4	9.7
37 <i>C. vicina</i> <sup>GB12</sup>	10.1	9.6	9.4	9.7	9.4	9.4	9.7	9.6	9.6	9.6	9.6	9.3	9.3	9.3	9.4	9.1	9.1	9.7	9.4	9.3	9.4	9.3	9.3	9.3	9.4	9.6	9.3	9.6	9.7	9.4
38 <i>C. vicina</i> <sup>GB13</sup>	9.9	9.9	9.7	10.1	9.7	9.7	10.1	9.9	9.9	9.9	9.6	9.6	9.6	9.6	9.7	9.4	9.4	10.1	9.1	8.9	9.1	8.9	8.9	9.3	9.1	9.3	8.9	9.3	9.4	9.7
39 <i>C. vicina</i> <sup>GB14</sup>	10.2	10.2	10.1	10.4	10.1	10.1	10.4	10.2	10.2	10.2	9.9	9.9	9.9	9.9	10.1	9.7	9.7	10.4	9.4	9.3	9.4	9.3	9.3	9.6	9.4	9.6	9.3	9.6	9.7	10.1
40 <i>C. vicina</i> <sup>GB15</sup>	9.9	9.9	9.7	10.1	9.7	9.7	10.1	9.9	9.9	9.9	9.6	9.6	9.6	9.6	9.7	9.7	9.7	10.1	9.4	9.3	9.4	9.3	9.3	9.6	9.4	9.6	9.3	9.6	9.7	9.7
41 <i>C. vicina</i> <sup>GB16</sup>	9.9	10.2	10.1	10.4	10.1	10.1	10.4	10.2	10.2	10.2	9.9	9.9	9.9	9.9	10.1	9.7	9.7	10.4	9.4	9.3	9.4	9.3	9.3	9.6	9.4	9.6	9.3	9.6	9.7	10.1
42 <i>C. vicina</i> <sup>GB17</sup>	9.6	9.6	9.4	9.7	9.4	9.4	9.7	9.6	9.6	9.6	9.3	9.3	9.3	9.3	9.4	9.4	9.4	9.7	9.1	8.9	9.1	8.9	8.9	9.3	9.1	9.3	8.9	9.3	9.4	9.4
43 <i>C. vicina</i> <sup>GB18</sup>	9.9	10.2	10.1	10.4	10.1	10.1	10.4	10.2	10.2	10.2	9.9	9.9	9.9	9.9	10.1	9.7	9.7	10.4	9.4	9.3	9.4	9.3	9.3	9.6	9.4	9.6	9.3	9.6	9.7	10.1
44 <i>C. vicina</i> <sup>GB19</sup>	9.9	9.9	9.7	10.1	9.7	9.7	10.1	9.9	9.9	9.9	9.6	9.6	9.6	9.6	9.7	9.4	9.4	10.1	9.4	9.3	9.4	9.3	9.3	9.6	9.4	9.6	9.3	9.6	9.7	9.7
45 <i>C. vicina</i> <sup>GB20</sup>	9.6	9.9	9.7	10.1	9.7	9.7	10.1	9.9	9.9	9.9	9.6	9.6	9.6	9.6	9.7	9.4	9.4	10.1	8.8	8.6	8.8	8.6	8.6	8.9	8.8	8.9	8.6	8.9	9.1	9.7
46 <i>C. vicina</i> <sup>GB21</sup>	9.9	9.9	9.7	10.1	9.7	9.7	10.1	9.9	9.9	9.9	9.6	9.6	9.6	9.6	9.7	9.4	9.4	10.1	9.1	8.9	9.1	8.9	8.9	9.3	9.1	9.3	8.9	9.3	9.4	9.7
47 <i>C. vicina</i> <sup>GB22</sup>	10.1	10.1	9.9	10.2	9.9	9.9	10.2	10.1	10.1	10.1	9.7	9.7	9.7	9.7	9.9	9.6	9.6	10.2	9.3	9.1	9.3	9.1	9.1	9.4	9.3	9.4	9.1	9.4	9.6	9.9
48 <i>C. vicina</i> <sup>GB23</sup>	9.7	9.7	9.6	9.9	9.6	9.6	9.9	9.7	9.7	9.7	9.4	9.4	9.4	9.4	9.6	9.3	9.3	9.9	8.9	8.8	8.9	8.8	8.8	9.1	8.9	9.1	8.8	9.1	9.3	9.6
49 <i>C. vicina</i> <sup>GB24</sup>	9.4	9.7	9.6	9.9	9.6	9.6	9.9	9.7	9.7	9.7	9.4	9.4	9.4	9.4	9.6	9.3	9.3	9.9	8.9	8.8	8.9	8.8	8.8	9.1	8.9	9.1	8.8	9.1	9.3	9.6
50 <i>C. vomitoria</i> <sup>GB1</sup>	8.4	8.9	8.8	9.1	8.8	9.1	9.1	8.9	8.9	8.9	8.9	8.6	8.6	8.6	8.8	8.4	8.4	9.1	8.8	8.6	8.8	8.9	8.6	8.6	8.8	8.9	8.6	8.6	9.1	8.8
51 <i>C. vomitoria</i> <sup>GB2</sup>	8.6	9.1	8.9	9.3	8.9	9.3	9.3	9.1	9.1	9.1	9.1	8.8	8.8	8.8	8.9	8.6	8.6	9.3	8.9	8.8	8.9	8.8	8.8	8.8	8.9	9.1	8.8	8.8	9.3	8.9
52 <i>L. sericata</i> <sup>GB1</sup>	7.0	6.2	6.3	6.0	6.0	6.3	6.0	6.5	6.5	6.3	6.2	5.8	6.2	6.2	6.0	6.3	6.0	6.8	7.0	6.8	7.0	6.8	6.8	6.8	7.1	6.8	7.1	6.8	7.1	6.0
53 <i>L. sericata</i> <sup>GB2</sup>	6.8	6.3	6.5	6.2	6.2	6.5	6.2	6.7	6.7	6.5	6.3	6.0	6.3	6.3	6.2	6.5	6.2	7.0	6.8	6.7	6.8	6.7	6.7	6.7	7.0	6.7	7.0	6.7	7.0	6.2
54 <i>L. sericata</i> <sup>GB3</sup>	7.1	6.3	6.5	6.2	6.2	6.5	6.2	6.7	6.7	6.5	6.3	6.0	6.3	6.3	6.2	6.5	6.2	7.0	7.1	7.0	7.1	7.0	7.0	7.0	7.3	7.0	7.3	7.0	7.3	6.2
55 <i>L. cuprina</i> <sup>GB1</sup>	8.1	7.3	7.1	7.5	7.1	7.5	7.1	7.3	7.3	7.5	7.3	7.3	7.3	7.3	7.1	7.1	6.8	7.6	7.1	7.3	7.1	7.0	7.0	7.0	7.3	7.3	7.3	7.0	7.3	7.5
56 <i>L. cuprina</i> <sup>GB2</sup>	8.3	7.5	7.3	7.6	7.3	7.6	7.3	7.5	7.5	7.6	7.5	7.5	7.5	7.5	7.3	7.3	7.0	7.8	7.3	7.5	7.3	7.1	7.1	7.1	7.5	7.5	7.5	7.1	7.5	7.6
57 <i>L. cuprina</i> <sup>GB3</sup>	8.0	7.1	7.0	7.3	7.0	7.3	7.3	7.1	7.1	7.3	7.1	7.1	7.1	7.1	7.3	7.0	7.0	7.5	7.0	7.1	7.0	6.8	6.8	6.8	7.1	7.1	7.1	6.8	7.1	7.3
58 <i>L. cuprina</i> <sup>GB4</sup>	6.8	6.0	5.8	6.2	5.8	6.2	5.8	6.0	6.0	6.2	6.0	5.7	5.7	5.7	5.5	5.8	5.5	6.3	6.8	6.7	6.8	6.7	6.7	6.7	7.0	6.7	7.0	6.7	7.0	5.8
59 <i>L. cuprina</i> <sup>GB5</sup>	7.0	6.2	6.0	6.3	6.0	6.3	6.0	6.2	6.2	6.3	6.2	5.8	5.8	5.8	5.7	6.0	5.7	6.5	7.0	6.8	7.0	6.8	6.8	6.8	7.1	6.8	7.1	6.8	7.1	6.0
60 <i>L. ampullacea</i> <sup>GB1</sup>	0.6	6.2	6.0	6.3	6.0	6.0	6.3	6.2	6.2	6.2	6.0	6.2	6.2	6.2	6.3	6.3	6.3	6.3	5.4	5.5	5.4	5.5	5.2	5.4	5.5	5.5	5.2	5.2	5.7	6.3

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV.



Table S39. (Continued)

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	
61 <i>L. ampullacea</i> <sup>GB2</sup>	—	6.2	6.0	6.3	6.0	6.0	6.3	5.8	5.8	6.2	6.0	6.2	5.8	5.8	6.0	6.0	6.3	6.0	5.4	5.5	5.4	5.5	5.2	5.4	5.5	5.5	5.2	5.2	5.7	6.0	
62 <i>L. caesar</i> <sup>(*)1</sup>	38	—	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.6	1.0	1.0	1.1	1.1	1.1	1.1	2.6	2.8	2.6	2.8	2.8	2.4	2.8	2.3	2.4	2.4	2.6	1.1	
63 <i>L. caesar</i> <sup>(GB2)</sup>	37	1	—	0.3	0.3	0.3	0.3	0.2	0.2	0.5	0.5	0.8	0.8	0.8	1.0	1.0	1.0	1.0	2.8	2.9	2.8	2.9	2.9	2.6	2.9	2.4	2.6	2.6	2.8	1.0	
64 <i>L. caesar</i> <sup>(*)3</sup>	39	1	2	—	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.8	1.1	1.1	1.3	1.3	1.3	1.3	2.8	2.9	2.8	2.9	2.9	2.6	2.9	2.4	2.6	2.6	2.8	1.0	
65 <i>L. caesar</i> <sup>(*)4</sup>	37	1	2	2	—	0.3	0.3	0.5	0.5	0.5	0.5	0.8	1.1	1.1	1.3	1.3	1.3	1.3	2.4	2.6	2.4	2.6	2.6	2.3	2.6	2.1	2.3	2.3	2.4	1.3	
66 <i>L. caesar</i> <sup>(*)5</sup>	37	1	2	2	2	—	0.3	0.5	0.5	0.5	0.5	0.8	1.1	1.1	1.3	1.3	1.3	1.3	2.4	2.6	2.4	2.6	2.6	2.3	2.6	2.1	2.3	2.3	2.4	1.3	
67 <i>L. caesar</i> <sup>(*)6</sup>	39	1	2	2	2	2	—	0.5	0.5	0.5	0.5	0.8	1.1	1.1	1.0	1.3	1.0	1.3	2.8	2.9	2.8	2.9	2.9	2.6	2.9	2.4	2.6	2.6	2.8	1.3	
68 <i>L. caesar</i> <sup>GB7</sup>	36	2	1	3	3	3	3	—	0.0	0.6	0.6	1.0	0.6	0.6	0.8	0.8	1.1	0.8	2.9	3.1	2.9	3.1	3.1	2.8	3.1	2.6	2.8	2.8	2.9	0.8	
69 <i>L. caesar</i> <sup>(*)7</sup>	36	2	1	3	3	3	3	0	—	0.6	0.6	1.0	0.6	0.6	0.8	0.8	1.1	0.8	2.9	3.1	2.9	3.1	3.1	2.8	3.1	2.6	2.8	2.8	2.9	0.8	
70 <i>L. caesar</i> <sup>(*)8</sup>	38	2	3	3	3	3	3	4	4	—	0.6	1.0	1.3	1.3	1.5	1.5	1.5	0.8	2.6	2.8	2.6	2.8	2.8	2.4	2.8	2.3	2.4	2.4	2.6	1.5	
71 <i>L. caesar</i> <sup>(*)9</sup>	37	2	3	3	3	3	3	4	4	—	0.6	1.0	1.0	1.1	1.1	1.1	1.1	1.1	2.3	2.4	2.3	2.4	2.4	2.4	2.4	1.9	2.1	2.1	2.6	1.1	
72 <i>L. caesar</i> <sup>(*)10</sup>	38	4	5	5	5	5	5	6	6	4	—	0.3	0.3	0.5	0.5	0.5	0.5	1.1	2.6	2.4	2.6	2.8	2.8	2.4	2.8	2.4	2.4	2.4	2.9	0.5	
73 <i>L. caesar</i> <sup>(GB11)</sup>	36	6	5	7	7	7	7	4	4	8	6	2	—	0.0	0.2	0.2	0.5	0.8	2.9	2.8	2.9	3.1	3.1	2.8	3.1	2.8	2.8	2.8	3.2	0.2	
74 <i>L. caesar</i> <sup>(*)11</sup>	36	6	5	7	7	7	7	4	4	8	6	2	0	—	0.2	0.2	0.5	0.8	2.9	2.8	2.9	3.1	3.1	2.8	3.1	2.8	2.8	2.8	3.2	0.2	
75 <i>L. caesar</i> <sup>(*)12</sup>	37	7	6	8	8	8	8	5	5	9	7	3	1	1	—	0.3	0.3	1.0	3.1	2.9	3.1	3.2	3.2	2.9	3.2	2.9	2.9	2.9	3.4	0.3	
76 <i>L. caesar</i> <sup>(*)13</sup>	37	7	6	8	8	8	8	5	5	9	7	3	1	1	2	—	0.3	1.0	2.8	2.6	2.8	2.9	2.9	2.6	2.9	2.6	2.6	2.6	3.1	0.3	
77 <i>L. caesar</i> <sup>(*)14</sup>	39	7	6	8	8	8	8	6	7	9	7	3	3	3	2	2	—	1.3	2.8	2.6	2.8	2.9	2.9	2.6	2.9	2.6	2.6	2.6	3.1	0.6	
78 <i>L. caesar</i> <sup>(*)15</sup>	37	7	6	8	8	8	8	5	5	5	7	7	5	5	6	6	8	—	2.8	2.9	2.8	2.9	2.9	2.6	2.9	2.4	2.6	2.6	3.1	1.0	
79 <i>L. caesar</i> <sup>GB16</sup>	33	16	17	17	15	15	17	18	18	16	14	16	18	18	19	17	17	17	—	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	3.1	
80 <i>L. caesar</i> <sup>(GB17)</sup>	34	17	18	18	16	16	18	19	19	17	15	15	17	17	18	16	16	18	1	—	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	2.9	
81 <i>L. illustris</i> <sup>(GB1)</sup>	33	16	17	17	15	15	17	18	18	16	14	16	18	18	19	17	17	17	0	1	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	3.1	
82 <i>L. illustris</i> <sup>GB2</sup>	34	17	18	18	16	16	18	19	19	17	15	17	19	19	20	18	18	18	1	2	1	—	0.3	0.3	0.3	0.3	0.3	0.3	0.5	3.2	
83 <i>L. illustris</i> <sup>GB3</sup>	32	17	18	18	16	16	18	19	19	17	15	17	19	19	20	18	18	18	1	2	1	2	—	0.3	0.3	0.3	0.3	0.3	0.5	3.2	
84 <i>L. illustris</i> <sup>GB4</sup>	33	15	16	16	14	14	16	17	17	15	15	15	17	17	18	16	16	16	1	2	1	2	—	0.3	0.3	0.3	0.3	0.3	0.5	2.9	
85 <i>L. illustris</i> <sup>GB5</sup>	34	17	18	18	16	16	18	19	19	17	15	17	19	19	20	18	18	18	1	2	1	2	2	2	2	2	—	0.3	0.3	0.5	3.2
86 <i>L. illustris</i> <sup>GB6</sup>	34	14	15	15	13	13	15	16	16	14	12	15	17	17	18	16	16	16	15	1	2	1	2	2	2	2	—	0.3	0.3	0.5	2.9
87 <i>L. illustris</i> <sup>GB7</sup>	32	15	16	16	14	14	16	17	17	15	13	15	17	17	18	16	16	16	16	1	2	1	2	2	2	2	2	—	0.3	0.5	2.9
88 <i>L. illustris</i> <sup>(*)8</sup>	32	15	16	16	14	14	16	17	17	15	13	15	17	17	18	16	16	16	1	2	1	2	2	2	2	2	2	—	0.5	2.9	
89 <i>L. illustris</i> <sup>GB9</sup>	35	16	17	17	15	15	17	18	18	16	16	18	20	20	21	19	19	19	2	3	2	3	3	3	3	3	3	3	—	3.4	
90 <i>L. illustris</i> <sup>GB10</sup>	37	7	6	6	8	8	8	5	5	9	7	3	1	1	2	2	4	6	19	18	19	20	20	18	20	18	18	18	21	—	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV.

### Material suplementario / Supplementary material

**Table S40.** Pairwise sequence divergence between the studied Diptera (*H. bovis\**, *M. autumnalis\**, *Ch. albiceps\**, *C. vicina\**, *L. caesar\** and *L. illustris\**) haplotypes for the COI barcode-COI 616 bp (1274 bp). GenBank (GB) database close myiasis-causing species sequences were included for comparison purposes. The brackets in the superscript indicate more than one sequence with same haplotypes (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33		
1 <i>H. bovis*</i> <sup>1</sup>	—	5.3	8.8	14.7	14.8	14.3	14.1	14.1	14.9	12.7	12.7	12.7	12.8	13.3	13.3	13.4	13.4	13.4	13.4	13.3	13.3	13.6	13.6	14.0	13.9	13.9	13.9	14.2	13.9	13.3	14.0	14.1	13.9		
2 <i>H. lineatum</i> <sup>(GB1)</sup>	67	—	3.8	15.1	15.2	14.1	14.1	14.1	14.8	13.0	13.0	13.1	13.0	13.7	13.7	13.8	13.8	13.8	13.8	13.7	13.7	14.0	14.0	14.1	14.1	14.0	14.0	14.3	14.1	13.6	13.3	13.3	13.2		
3 <i>H. lineatum</i> <sup>(GB2)</sup>	112	49	—	14.8	14.8	13.7	13.6	13.7	14.4	12.8	12.8	13.0	12.9	13.3	13.3	13.4	13.4	13.4	13.3	13.3	13.6	13.6	13.3	13.2	13.2	13.2	13.5	13.3	13.0	12.6	12.7	12.6			
4 <i>M. autumnalis*</i> <sup>1</sup>	187	193	188	—	0.5	10.0	10.1	10.1	7.4	11.5	11.5	11.6	11.4	12.4	12.3	12.5	12.3	12.5	12.3	12.6	12.6	12.2	12.5	12.6	12.7	12.6	12.6	12.9	12.6	11.4	12.8	12.9	12.9		
5 <i>M. autumnalis</i> <sup>(GB2)</sup>	188	194	189	7	—	9.9	10.0	10.0	7.3	11.7	11.7	11.9	11.6	12.6	12.5	12.6	12.5	12.6	12.5	12.7	12.7	12.3	12.6	12.6	12.7	12.6	12.6	12.9	12.6	11.5	13.0	13.0	13.0		
6 <i>M. domestica</i> <sup>(GB1)</sup>	182	180	174	127	126	—	0.3	0.3	7.0	10.4	10.4	10.4	10.4	10.0	10.0	9.9	10.0	10.0	9.9	10.1	10.1	9.7	9.9	11.7	11.6	11.6	11.7	11.9	11.6	10.4	12.5	12.6	12.4		
7 <i>M. domestica</i> <sup>(GB2)</sup>	179	179	173	129	128	4	—	0.2	7.3	10.4	10.4	10.4	10.4	10.0	10.0	9.9	10.0	10.0	9.9	10.0	10.0	10.1	10.1	10.0	10.0	11.8	11.7	11.7	11.8	11.9	11.7	10.5	12.7	12.8	12.6
8 <i>M. domestica</i> <sup>(GB3)</sup>	179	179	174	129	128	4	2	—	7.3	10.4	10.4	10.4	10.4	10.0	10.0	9.9	10.0	10.0	10.0	10.1	10.1	10.0	10.0	11.7	11.6	11.6	11.7	11.9	11.6	10.6	12.8	12.9	12.7		
9 <i>M. sorbens</i> <sup>(GB1)</sup>	190	188	183	94	93	89	93	93	—	11.4	11.4	11.5	11.5	10.2	10.3	10.3	10.1	10.3	10.1	10.4	10.4	10.0	10.4	11.2	11.1	11.1	11.2	11.4	11.1	9.9	12.0	12.1	11.9		
10 <i>Ch. albiceps</i> <sup>(GB1)</sup>	162	165	163	146	149	132	132	132	145	—	0.0	0.2	0.1	5.9	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	8.5	8.6	8.4	8.5	8.6	8.6	7.8	10.0	10.0	10.0		
11 <i>Ch. albiceps</i> <sup>(*)1</sup>	162	165	163	146	149	132	132	132	145	0	—	0.2	0.1	5.9	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	8.5	8.6	8.4	8.5	8.6	8.6	7.8	10.0	10.0	10.0		
12 <i>Ch. albiceps</i> <sup>(GB2)</sup>	162	167	165	148	151	132	132	132	147	2	2	—	0.2	5.7	5.7	5.8	5.8	5.8	5.8	5.9	5.9	6.0	6.0	8.5	8.6	8.4	8.5	8.6	8.6	7.8	9.8	9.9	9.9		
13 <i>Ch. albiceps</i> <sup>(*)3</sup>	163	166	164	145	148	133	133	133	146	1	1	3	—	6.0	5.9	6.0	6.0	6.0	6.1	6.1	6.2	6.2	8.6	8.6	8.5	8.6	8.7	8.6	7.9	10.0	10.0	10.0			
14 <i>Ch. megacephala</i> <sup>(GB1)</sup>	170	175	170	158	160	127	127	127	130	75	75	73	76	—	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.5	8.1	8.0	8.0	8.1	8.2	8.0	7.3	9.7	9.8	9.8		
15 <i>Ch. megacephala</i> <sup>(GB2)</sup>	169	174	169	157	159	128	128	128	131	74	74	72	75	1	—	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.6	8.0	7.9	7.9	8.0	8.2	7.9	7.2	9.7	9.7	9.7		
16 <i>Ch. megacephala</i> <sup>(GB3)</sup>	171	176	171	159	161	128	128	128	131	76	76	74	77	1	2	—	0.2	0.2	0.2	0.2	0.2	0.3	0.6	8.2	8.1	8.1	8.2	8.3	8.1	7.4	9.8	9.9	9.9		
17 <i>Ch. megacephala</i> <sup>(GB4)</sup>	171	176	171	157	159	126	126	126	129	76	76	74	77	1	2	2	—	0.2	0.2	0.2	0.2	0.3	0.6	8.0	7.9	7.9	8.0	8.2	7.9	7.2	9.8	9.9	9.9		
18 <i>Ch. megacephala</i> <sup>(GB5)</sup>	171	176	171	159	161	128	128	128	131	76	76	74	77	1	2	2	—	0.2	0.1	0.2	0.3	0.6	8.2	8.1	8.1	8.2	8.3	8.1	7.4	9.8	9.9	9.9			
19 <i>Ch. megacephala</i> <sup>(GB6)</sup>	171	176	171	157	159	126	128	128	129	76	76	74	77	1	2	2	—	0.2	0.2	0.2	0.5	8.0	7.9	7.9	8.0	8.2	7.9	7.4	9.7	9.7	9.7				
20 <i>Ch. megacephala</i> <sup>(GB7)</sup>	170	175	170	160	162	129	129	129	132	77	77	75	78	2	3	3	3	3	3	3	3	4	—	0.4	0.7	8.2	8.2	8.2	8.4	8.2	7.5	9.9	10.0	10.0	
21 <i>Ch. megacephala</i> <sup>(GB8)</sup>	170	175	170	160	162	129	129	129	132	77	77	75	78	2	3	3	3	3	3	3	4	—	0.4	0.7	8.1	8.0	8.2	8.2	8.0	7.5	9.7	9.8	9.8		
22 <i>Ch. megacephala</i> <sup>(GB9)</sup>	173	178	173	155	157	124	128	128	127	78	78	76	79	3	4	4	2	4	2	5	5	—	0.5	8.0	7.9	8.0	8.2	7.9	7.2	9.7	9.7	9.7			
23 <i>Ch. megacephala</i> <sup>(GB10)</sup>	173	178	173	159	161	126	128	128	133	78	78	76	79	7	8	8	6	8	6	9	9	6	—	8.0	7.9	8.0	8.2	7.9	7.4	9.7	9.7	9.7			
24 <i>P. regina</i> <sup>(GB1)</sup>	178	179	169	161	161	149	150	149	143	108	108	108	109	103	102	104	102	104	102	105	103	102	102	—	0.1	0.1	0.2	0.2	0.2	3.8	9.7	9.8	9.8		
25 <i>P. regina</i> <sup>(GB2)</sup>	177	180	170	162	162	148	149	148	142	109	109	109	110	102	101	103	101	103	101	104	102	101	101	1	—	0.2	0.2	0.3	0.2	3.8	9.8	9.9	9.9		
26 <i>P. regina</i> <sup>(GB3)</sup>	177	178	168	160	160	148	149	148	142	107	107	107	108	102	101	103	101	103	101	104	104	101	101	2	—	0.1	0.3	0.3	3.7	9.8	9.9	9.9			
27 <i>P. regina</i> <sup>(GB4)</sup>	177	178	168	161	161	149	150	149	143	108	108	108	109	103	102	104	102	104	102	105	105	102	102	2	3	1	—	0.4	0.4	3.8	9.9	10.0	10.0		
28 <i>P. regina</i> <sup>(GB5)</sup>	181	182	172	164	164	151	152	151	145	110	110	110	111	105	104	106	104	106	104	107	105	104	104	3	4	4	5	—	0.5	4.0	9.9	9.8	10.0		
29 <i>P. regina</i> <sup>(GB6)</sup>	177	180	170	161	161	148	149	148	142	109	109	109	110	102	101	103	101	103	101	104	102	101	101	3	2	4	5	6	—	3.8	9.7	9.8	9.8		
30 <i>P. regina</i> <sup>(GB7)</sup>	170	173	165	145	146	133	134	135	126	100	100	101	93	92	94	92	94	94	95	95	92	94	48	49	47	48	51	49	—	9.3	9.4	9.4			
31 <i>C. vicina</i> <sup>(GB1)</sup>	178	169	161	163	165	159	162	163	153	127	127	125	127	124	123	125	125	125	123	126	124	125	123	123	124	125	125	126	126	124	119	—	0.1	0.1	
32 <i>C. vicina</i> <sup>(*)2</sup>	179	170	162	164	166	160	163	164	154	128	128	126	128	125	124	126	126	126	126	124	127	125	124	124	125	126	126	127	125	125	120	1	—	0.2	
33 <i>C. vicina</i> <sup>(GB3)</sup>	177	168	160	164	166	158	161	162	152	128	128	126	128	125	124	126	126	126	126	124	127	125	124	124	125	126	126	127	127	125	120	1	2	—	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

*Material suplementario / Supplementary material*

**Table S40.** (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
34 <i>C. vicina</i> <sup>GB4</sup>	177	168	160	162	164	158	161	162	152	126	126	124	126	125	124	126	126	126	124	127	125	124	124	123	124	124	125	125	123	118	1	2	2	
35 <i>C. vicina</i> <sup>GB5</sup>	178	169	161	164	166	160	163	164	153	127	127	125	127	124	123	125	125	125	123	126	124	123	123	125	126	126	127	127	125	120	1	2	2	
36 <i>C. vicina</i> <sup>GB6</sup>	177	168	160	164	166	160	161	162	154	126	126	124	126	123	122	124	124	124	122	125	123	124	122	123	124	124	125	125	123	120	1	2	2	
37 <i>C. vicina</i> <sup>*7</sup>	178	169	161	164	166	160	163	164	154	128	128	126	128	125	124	126	126	126	124	127	125	124	124	125	126	126	127	127	125	120	1	2	2	
38 <i>C. vicina</i> <sup>GB8</sup>	177	168	160	162	164	158	161	162	152	126	126	124	126	123	122	124	124	124	122	125	123	122	122	123	124	124	125	125	123	118	1	2	2	
39 <i>C. vicina</i> <sup>GB9</sup>	177	168	160	162	164	158	161	162	152	126	126	124	126	123	122	124	124	124	122	125	125	122	122	125	126	124	125	127	125	118	1	2	2	
40 <i>C. vicina</i> <sup>GB10</sup>	179	170	162	163	165	160	163	164	153	127	127	125	127	124	123	125	125	125	123	126	124	123	123	124	125	125	126	126	124	119	1	2	2	
41 <i>C. vicina</i> <sup>GB11</sup>	179	170	162	162	164	160	163	164	152	128	128	126	128	125	124	126	126	126	126	124	127	125	124	124	125	126	126	127	127	125	120	1	2	2
42 <i>C. vicina</i> <sup>GB12</sup>	178	169	161	164	166	160	163	164	154	128	128	126	128	125	124	126	126	126	124	127	125	124	124	125	126	126	127	127	125	120	1	2	2	
43 <i>C. vicina</i> <sup>GB13</sup>	179	170	162	162	164	158	161	162	152	126	126	124	126	123	122	124	124	124	122	125	123	122	122	123	124	124	125	125	123	118	1	2	2	
44 <i>C. vicina</i> <sup>GB14</sup>	178	169	161	165	167	161	162	163	155	127	127	125	127	124	123	125	125	125	123	126	124	125	123	123	124	124	125	124	122	119	2	3	3	
45 <i>C. vicina</i> <sup>GB15</sup>	178	169	161	161	163	159	162	163	151	127	127	125	127	124	123	125	125	125	123	126	124	123	123	124	125	125	126	126	124	119	2	3	3	
46 <i>C. vicina</i> <sup>*16</sup>	179	170	162	163	165	159	162	163	153	127	127	125	127	124	123	125	125	125	123	126	124	123	123	124	125	125	126	126	124	119	2	3	3	
47 <i>C. vicina</i> <sup>GB17</sup>	178	169	161	163	165	159	162	163	153	127	127	125	127	126	125	127	127	127	125	128	126	125	125	124	125	125	126	126	124	119	2	3	3	
48 <i>C. vicina</i> <sup>GB18</sup>	177	168	160	163	165	159	162	163	153	127	127	125	127	124	123	125	125	125	123	126	124	123	123	124	125	125	126	126	124	119	2	3	3	
49 <i>C. vicina</i> <sup>GB19</sup>	180	169	161	162	164	161	164	165	154	126	126	124	126	125	124	126	126	126	124	127	125	124	124	125	126	126	127	127	125	120	2	3	3	
50 <i>C. vicina</i> <sup>GB20</sup>	178	170	162	165	167	161	164	165	154	127	127	125	127	124	123	125	125	125	123	126	124	123	123	126	127	127	128	128	126	121	2	3	3	
51 <i>C. vicina</i> <sup>GB21</sup>	180	171	163	165	166	161	164	165	155	129	129	127	129	126	125	127	127	127	125	128	126	125	124	125	125	126	126	126	124	121	2	3	3	
52 <i>C. vicina</i> <sup>GB22</sup>	178	169	161	163	165	161	162	163	155	127	127	125	127	124	123	125	125	125	123	126	124	125	123	124	125	125	126	126	124	119	2	3	3	
53 <i>C. vicina</i> <sup>GB23</sup>	179	170	162	166	168	160	163	164	154	128	128	126	128	127	126	128	128	128	126	129	127	126	126	126	127	127	128	128	126	122	3	4	2	
54 <i>C. vicina</i> <sup>GB24</sup>	178	168	160	166	168	158	161	162	153	127	127	125	127	124	123	125	125	125	123	126	124	123	123	125	126	126	127	127	125	120	3	4	4	
55 <i>C. vicina</i> <sup>*25</sup>	179	170	162	166	168	162	163	164	156	128	128	126	128	125	124	126	126	126	124	127	125	126	124	123	124	124	125	124	125	120	3	2	4	
56 <i>C. vicina</i> <sup>GB26</sup>	177	169	161	164	166	158	161	162	152	126	126	124	126	125	124	126	126	126	124	127	125	124	124	123	124	124	125	125	123	118	3	4	4	
57 <i>C. vicina</i> <sup>GB27</sup>	180	171	163	161	163	160	163	164	153	127	127	125	127	124	123	125	125	125	123	126	124	123	123	122	123	123	124	124	122	117	3	4	4	
58 <i>C. vicina</i> <sup>GB28</sup>	179	170	162	164	166	160	161	162	156	128	128	126	128	125	124	126	126	126	124	127	125	126	124	123	124	124	125	125	123	118	3	4	4	
59 <i>C. vicina</i> <sup>GB29</sup>	175	168	160	166	168	158	161	162	152	130	130	128	130	125	124	126	126	126	124	125	125	124	124	125	126	126	127	127	125	120	3	4	2	
60 <i>C. vicina</i> <sup>GB30</sup>	181	172	162	162	164	160	163	164	152	130	130	128	130	125	124	126	126	126	124	127	125	124	124	125	126	126	127	127	125	122	3	4	4	
61 <i>C. vicina</i> <sup>GB31</sup>	179	170	162	165	167	161	162	163	155	127	127	125	127	124	123	125	125	125	123	126	124	125	123	124	125	125	126	126	124	121	3	4	4	
62 <i>C. vicina</i> <sup>GB32</sup>	179	170	162	163	165	160	163	164	154	127	127	125	127	124	123	125	125	125	123	126	124	123	123	126	127	127	128	128	126	121	3	4	4	
63 <i>C. vicina</i> <sup>GB33</sup>	179	169	161	167	169	159	162	163	154	128	128	126	128	125	124	126	126	126	124	127	125	124	124	126	127	127	128	128	126	121	4	5	5	
64 <i>C. vicina</i> <sup>GB34</sup>	178	169	161	164	166	160	161	162	154	124	124	124	124	125	124	126	126	126	124	127	125	126	124	124	125	125	126	126	124	122	4	5	5	
65 <i>C. vicina</i> <sup>GB35</sup>	177	167	159	163	165	161	162	163	155	125	125	123	125	124	123	125	125	125	123	126	124	125	123	123	124	124	125	124	122	119	4	5	5	
66 <i>C. vicina</i> <sup>GB36</sup>	176	167	159	163	165	159	160	161	154	123	123	121	123	120	119	121	121	121	119	122	120	121	119	123	124	124	125	125	123	120	5	6	6	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

**Material suplementario / Supplementary material**

**Table S40.** (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
67 <i>C. vomitoria</i> <sup>GB1</sup>	175	165	157	155	157	147	150	151	142	130	130	130	130	127	126	128	126	128	126	129	127	124	124	118	119	119	120	121	119	114	58	59	57
68 <i>C. vomitoria</i> <sup>GB2</sup>	177	167	157	153	155	147	150	151	142	130	130	130	130	125	124	126	124	126	124	127	125	122	122	116	117	117	118	119	117	114	58	59	59
69 <i>L. sericata</i> <sup>GB1</sup>	161	163	152	151	153	139	142	143	131	123	123	123	123	107	106	108	108	108	106	109	107	106	112	116	115	115	116	118	115	112	99	100	98
70 <i>L. sericata</i> <sup>GB2</sup>	160	162	151	152	154	140	141	142	132	122	122	122	122	106	105	107	107	107	105	108	106	107	111	115	114	114	115	117	114	113	100	101	99
71 <i>L. sericata</i> <sup>GB3</sup>	162	164	153	152	154	138	141	142	132	124	124	124	124	108	107	109	109	109	107	110	108	107	113	117	116	116	117	119	116	113	100	101	99
72 <i>L. sericata</i> <sup>GB4</sup>	162	164	153	152	154	138	141	142	130	124	124	124	124	106	105	107	107	107	105	108	106	105	111	117	116	116	117	119	116	113	100	101	99
73 <i>L. sericata</i> <sup>GB5</sup>	160	162	151	152	154	140	141	142	132	122	122	122	122	106	105	107	107	107	107	108	106	107	113	117	116	116	117	119	116	111	100	101	99
74 <i>L. sericata</i> <sup>GB6</sup>	162	164	153	152	154	140	143	144	132	124	124	124	124	108	107	109	109	109	107	110	108	107	113	117	116	116	117	119	116	113	100	101	99
75 <i>L. sericata</i> <sup>GB7</sup>	162	164	153	150	152	140	143	144	132	122	122	122	122	106	105	107	107	107	105	108	106	105	111	115	114	114	115	117	114	111	98	99	99
76 <i>L. sericata</i> <sup>GB8</sup>	161	163	152	153	155	140	141	142	133	123	123	123	123	107	106	108	108	108	108	109	107	108	114	118	117	117	118	120	117	112	101	102	100
77 <i>L. sericata</i> <sup>GB9</sup>	159	161	150	149	151	139	142	143	133	121	121	121	121	109	108	110	110	110	108	111	109	108	114	114	113	113	114	116	113	110	99	100	98
78 <i>L. sericata</i> <sup>GB10</sup>	163	165	154	150	152	141	144	145	133	125	125	125	125	109	108	110	110	110	108	111	109	108	114	118	117	117	118	120	116	112	100	101	99
79 <i>L. cuprina</i> <sup>GB1</sup>	165	165	154	150	152	138	139	140	132	122	122	122	122	106	105	107	107	107	105	108	106	107	111	113	112	112	113	115	112	111	100	101	99
80 <i>L. cuprina</i> <sup>GB2</sup>	166	166	155	150	152	139	140	141	132	122	122	122	122	106	105	107	107	107	105	108	106	107	111	113	112	112	113	115	112	111	101	102	100
81 <i>L. cuprina</i> <sup>GB3</sup>	167	167	156	149	151	138	141	142	131	123	123	123	123	107	106	108	108	108	106	109	107	106	112	114	113	113	114	116	113	110	100	101	99
82 <i>L. cuprina</i> <sup>GB4</sup>	155	154	145	150	152	145	148	149	145	114	114	114	114	109	108	110	110	110	108	111	109	108	112	124	123	123	124	126	123	113	101	102	102
83 <i>L. cuprina</i> <sup>GB5</sup>	154	153	144	151	153	146	147	148	146	114	114	114	114	109	108	110	110	110	110	111	109	110	114	125	124	124	125	127	124	112	102	103	103
84 <i>L. cuprina</i> <sup>GB6</sup>	154	153	144	152	154	145	146	147	145	116	116	116	116	111	110	112	112	112	113	111	112	116	127	126	126	127	129	126	114	104	105	103	
85 <i>L. cuprina</i> <sup>GB7</sup>	155	154	145	152	154	147	148	149	147	115	115	115	115	110	109	111	111	111	111	112	110	111	115	126	125	125	126	128	125	113	103	104	104
86 <i>L. cuprina</i> <sup>GB8</sup>	155	152	143	152	154	147	148	149	147	114	114	114	114	109	108	110	110	110	110	111	109	110	114	126	125	125	126	128	125	113	101	102	102
87 <i>L. cuprina</i> <sup>GB9</sup>	156	153	144	153	155	148	149	150	148	115	115	115	115	110	109	111	111	111	111	112	110	111	115	127	126	126	127	129	126	114	102	103	103
88 <i>L. ampullacea</i> <sup>GB1</sup>	179	172	166	150	150	145	148	147	148	129	129	129	129	127	126	128	126	128	126	129	127	124	126	121	122	122	123	122	125	108	109	109	
89 <i>L. ampullacea</i> <sup>GB2</sup>	178	172	166	151	151	145	148	147	148	129	129	129	129	127	126	128	126	128	126	129	127	124	126	121	122	122	123	123	122	125	108	109	109
90 <i>L. ampullacea</i> <sup>GB3</sup>	180	172	166	150	150	146	149	148	149	130	130	130	130	127	126	128	126	128	126	129	127	124	126	122	123	123	124	124	123	126	108	109	109
91 <i>L. caesar</i> <sup>*1</sup>	171	155	146	147	148	134	135	136	137	116	116	116	116	107	108	108	106	108	106	109	107	106	108	116	117	117	118	118	117	119	100	101	101
92 <i>L. caesar</i> <sup>*2</sup>	172	156	147	146	147	133	136	137	136	117	117	117	117	108	109	109	107	109	107	110	108	105	109	117	118	118	119	119	118	118	99	100	100
93 <i>L. caesar</i> <sup>*3</sup>	170	156	147	148	149	135	136	137	138	117	117	117	117	108	109	109	107	109	107	110	108	107	109	117	118	118	119	119	118	120	101	102	102
94 <i>L. caesar</i> <sup>*4</sup>	170	154	145	146	147	133	134	135	136	115	115	115	115	106	107	107	105	107	105	108	106	105	107	115	116	116	117	117	116	118	99	100	100
95 <i>L. caesar</i> <sup>GB5</sup>	172	156	147	146	147	133	134	135	138	115	115	115	115	106	107	107	105	107	105	108	106	105	107	115	116	116	117	117	116	118	99	100	100
96 <i>L. caesar</i> <sup>*6</sup>	173	157	148	147	148	134	137	138	137	117	117	117	117	108	109	109	107	109	107	110	108	105	109	117	118	118	119	119	118	118	98	99	99
97 <i>L. caesar</i> <sup>*7</sup>	171	155	146	149	150	136	135	136	139	116	116	116	116	107	108	108	106	108	108	109	107	108	110	118	119	119	120	119	119	100	101	101	
98 <i>L. caesar</i> <sup>*8</sup>	173	157	148	147	148	134	137	138	135	118	118	118	118	107	108	108	106	108	106	109	107	104	108	118	119	119	120	120	119	119	100	101	101
99 <i>L. caesar</i> <sup>GB9</sup>	171	155	146	147	148	134	135	136	139	116	116	116	116	107	108	108	106	108	106	109	107	106	108	116	117	117	118	118	117	119	100	101	101

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

*Material suplementario / Supplementary material*

**Table S40.** (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
100 <i>L. caesar</i> <sup>*10</sup>	172	154	145	148	149	133	134	135	138	117	117	117	117	108	109	109	107	109	109	110	108	107	111	119	120	120	121	121	120	118	101	102	102	
101 <i>L. caesar</i> <sup>*11</sup>	173	156	147	149	150	135	138	139	137	120	120	120	120	109	110	110	108	110	108	111	109	106	110	120	121	121	122	122	121	121	102	103	103	
102 <i>L. caesar</i> <sup>*12</sup>	171	157	148	147	148	134	137	138	137	118	118	118	118	109	110	110	108	110	108	111	109	106	110	116	117	117	118	118	117	117	102	103	103	
103 <i>L. caesar</i> <sup>GB13</sup>	174	158	150	147	148	134	137	136	139	118	118	118	118	109	110	110	108	110	108	111	109	106	108	116	117	117	118	118	117	117	100	101	101	
104 <i>L. caesar</i> <sup>GB14</sup>	173	157	148	147	148	134	137	138	139	118	118	118	118	109	110	110	108	110	108	111	109	106	110	116	117	117	118	118	117	117	100	101	101	
105 <i>L. caesar</i> <sup>*15</sup>	173	157	149	147	148	135	138	137	140	119	119	119	119	110	111	111	109	111	109	112	110	107	111	117	118	118	119	119	118	120	101	102	102	
106 <i>L. caesar</i> <sup>GB16</sup>	172	158	150	148	149	134	137	136	139	118	118	118	118	109	110	110	108	110	108	111	109	106	110	116	117	117	118	118	117	119	102	103	103	
107 <i>L. caesar</i> <sup>*16</sup>	172	158	150	148	149	134	137	136	139	118	118	118	118	109	110	110	108	110	108	111	109	106	110	116	117	117	118	118	117	119	102	103	103	
108 <i>L. caesar</i> <sup>*17</sup>	174	158	150	151	152	138	141	140	139	122	122	122	122	111	112	112	110	112	110	113	111	108	112	120	121	121	122	122	121	123	104	105	105	
109 <i>L. caesar</i> <sup>*18</sup>	170	154	146	148	149	137	140	139	140	120	120	120	120	111	112	112	110	112	110	113	111	108	112	118	119	119	120	120	119	121	102	103	103	
110 <i>L. caesar</i> <sup>*19</sup>	170	156	145	150	151	133	134	135	138	115	115	115	115	106	107	107	105	107	107	108	106	105	109	117	118	118	119	119	118	116	101	102	102	
111 <i>L. caesar</i> <sup>*20</sup>	171	157	149	149	150	135	136	135	140	117	117	117	117	108	109	109	107	109	109	110	108	107	111	117	118	118	119	119	118	118	103	104	104	
112 <i>L. caesar</i> <sup>*21</sup>	174	158	149	148	149	134	137	138	141	119	119	119	119	108	109	109	107	109	107	110	108	105	109	119	120	120	121	121	120	120	101	102	102	
113 <i>L. caesar</i> <sup>*22</sup>	173	157	149	150	151	139	142	141	140	119	119	119	119	112	111	113	111	113	111	114	112	109	113	117	118	118	119	119	118	122	101	102	102	
114 <i>L. caesar</i> <sup>*23</sup>	175	159	151	149	150	139	142	141	142	119	119	119	119	119	112	111	113	111	113	111	114	112	109	113	117	118	118	119	119	118	122	101	102	102
115 <i>L. caesar</i> <sup>*24</sup>	176	160	152	150	151	140	143	142	143	120	120	120	120	113	112	114	112	114	112	115	113	110	114	118	119	119	120	120	119	123	102	103	103	
116 <i>L. caesar</i> <sup>*25</sup>	175	161	153	149	150	139	142	141	142	119	119	119	119	112	111	113	111	113	111	114	112	109	113	117	118	118	119	119	118	122	103	104	104	
117 <i>L. caesar</i> <sup>GB26</sup>	176	160	152	151	152	141	144	143	144	121	121	121	121	114	113	115	113	115	113	116	114	111	115	119	120	120	119	121	120	124	103	104	104	
118 <i>L. caesar</i> <sup>*27</sup>	175	159	151	152	153	140	143	142	143	120	120	120	120	113	112	114	112	114	112	115	113	110	114	120	121	121	122	122	121	125	102	103	103	
119 <i>L. caesar</i> <sup>*28</sup>	172	160	152	151	152	138	141	140	141	118	118	118	118	111	110	112	110	112	110	113	111	108	112	118	119	119	120	120	119	123	102	103	103	
120 <i>L. caesar</i> <sup>GB29</sup>	167	149	141	151	152	133	134	135	141	118	118	118	116	118	107	106	108	106	108	106	109	107	106	106	115	114	116	117	114	115	97	98	98	
121 <i>L. caesar</i> <sup>GB30</sup>	169	151	143	153	154	133	134	135	143	118	118	118	116	118	109	108	110	108	110	108	111	109	108	108	115	114	116	117	114	117	97	98	98	
122 <i>L. illustris</i> <sup>*1</sup>	167	149	141	151	152	131	132	133	141	118	118	118	118	109	108	110	108	110	108	111	109	108	108	117	116	118	119	119	116	117	99	100	100	
123 <i>L. illustris</i> <sup>GB2</sup>	167	149	141	151	152	131	132	133	141	118	118	116	118	109	108	110	108	110	108	111	109	108	108	117	116	118	119	119	116	115	97	98	98	
124 <i>L. illustris</i> <sup>GB3</sup>	169	149	141	151	152	133	134	135	143	118	118	116	118	109	108	110	108	110	108	111	109	108	108	115	116	116	117	116	115	97	98	98		
125 <i>L. illustris</i> <sup>GB4</sup>	166	148	140	151	152	131	132	133	141	117	117	115	117	108	107	109	107	109	107	110	108	107	107	116	115	117	118	118	115	114	96	97	97	
126 <i>L. illustris</i> <sup>GB5</sup>	166	148	141	152	153	132	133	134	141	117	117	115	117	106	105	107	105	107	105	108	106	105	105	114	113	115	116	116	113	114	96	97	97	
127 <i>L. illustris</i> <sup>GB6</sup>	166	148	140	152	153	130	131	132	140	119	119	117	119	110	109	111	109	111	109	112	110	109	109	116	115	117	118	118	115	116	98	99	97	
128 <i>L. illustris</i> <sup>GB7</sup>	168	150	142	150	151	130	133	134	140	119	119	117	119	108	107	109	107	109	107	110	108	105	107	116	115	117	118	118	115	114	98	99	99	
129 <i>L. illustris</i> <sup>GB8</sup>	170	151	143	152	153	132	135	136	142	121	121	119	121	110	109	111	109	111	109	112	110	107	109	118	117	119	120	120	117	116	97	98	98	
130 <i>L. illustris</i> <sup>GB9</sup>	168	150	142	151	152	132	134	135	138	119	119	117	119	105	105	106	104	106	104	107	105	103	106	116	115	117	118	118	115	115	97	98	98	
131 <i>L. illustris</i> <sup>GB10</sup>	169	151	143	152	153	134	135	136	142	119	119	117	119	108	107	109	107	109	107	110	108	107	107	116	118	119	119	116	117	99	100	100		
132 <i>L. illustris</i> <sup>GB11</sup>	170	150	142	152	153	128	131	132	140	121	121	119	121	110	109	111	109	111	109	112	110	107	109	120	119	121	122	122	119	116	98	99	99	
133 <i>L. illustris</i> <sup>GB12</sup>	176	162	154	150	151	140	143	142	143	120	120	120	120	115	114	116	114	116	114	117	115	112	116	118	119	120	120	119	123	104	105	105		

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HI; <sup>3</sup> Species with haplotypes HII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

**Material suplementario / Supplementary material**

**Table S40.** (Continued)

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
1 <i>H. bovis</i> <sup>1</sup>	13.9	14.0	13.9	14.0	13.9	13.9	14.1	14.1	14.0	14.1	14.0	14.0	14.1	14.0	13.9	14.1	14.0	14.1	14.0	14.1	14.0	14.1	13.9	14.1	14.1	13.7	14.2	14.1	14.1	14.1	14.0	13.9	13.8
2 <i>H. lineatum</i> <sup>GB1</sup>	13.2	13.3	13.2	13.3	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.2	13.3	13.3	13.4	13.3	13.3	13.2	13.3	13.3	13.4	13.3	13.2	13.5	13.3	13.3	13.3	13.3	13.1	13.1
3 <i>H. lineatum</i> <sup>GB2</sup>	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.7	12.6	12.7	12.6	12.6	12.7	12.6	12.6	12.6	12.7	12.8	12.6	12.6	12.7	12.6	12.7	12.6	12.8	12.7	12.6	12.7	12.7	12.6	12.6	12.5	12.5
4 <i>M. autumnalis</i> <sup>1</sup>	12.7	12.9	12.9	12.9	12.7	12.7	12.8	12.7	12.9	12.7	13.0	12.6	12.8	12.8	12.8	12.7	13.0	13.0	12.8	13.0	13.0	13.0	12.9	12.6	12.9	13.0	12.7	13.0	12.8	13.1	12.9	12.8	12.8
5 <i>M. autumnalis</i> <sup>GB2</sup>	12.9	13.0	13.0	13.0	12.9	12.9	13.0	12.9	13.0	12.9	13.1	12.8	13.0	13.0	13.0	12.9	13.1	13.0	13.0	13.2	13.2	13.2	13.0	12.8	13.0	13.2	12.9	13.1	13.0	13.3	13.0	13.0	13.0
6 <i>M. domestica</i> <sup>GB1</sup>	12.4	12.6	12.6	12.6	12.4	12.4	12.6	12.6	12.6	12.4	12.6	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.4	12.7	12.4	12.6	12.6	12.4	12.6	12.6	12.5	12.6	12.6	12.5	
7 <i>M. domestica</i> <sup>GB2</sup>	12.6	12.8	12.6	12.8	12.6	12.6	12.8	12.8	12.8	12.6	12.7	12.7	12.7	12.7	12.7	12.9	12.9	12.9	12.7	12.8	12.6	12.8	12.6	12.8	12.6	12.6	12.8	12.7	12.8	12.7	12.6	12.7	12.6
8 <i>M. domestica</i> <sup>GB3</sup>	12.7	12.9	12.7	12.9	12.7	12.7	12.9	12.9	12.9	12.7	12.8	12.8	12.8	12.8	12.8	13.0	13.0	13.0	13.0	12.8	12.9	12.7	12.9	12.7	12.9	12.8	12.9	12.8	12.9	12.8	12.7	12.8	12.6
9 <i>M. sorbens</i> <sup>GB1</sup>	11.9	12.0	12.1	12.1	11.9	11.9	12.0	11.9	12.1	11.9	12.2	11.9	12.0	12.0	12.0	12.1	12.1	12.2	12.2	12.1	12.0	12.2	11.9	12.0	12.2	11.9	11.9	12.2	12.1	12.1	12.1	12.2	12.1
10 <i>Ch. albiceps</i> <sup>GB1</sup>	9.9	10.0	9.9	10.0	9.9	9.9	10.0	10.0	10.0	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.1	10.0	10.0	10.0	10.0	9.9	10.0	10.0	10.2	10.2	10.0	10.0	10.0	9.7	9.8	9.7
11 <i>Ch. albiceps</i> <sup>1</sup>	9.9	10.0	9.9	10.0	9.9	9.9	10.0	10.0	10.0	9.9	10.0	10.0	10.0	10.0	10.0	9.9	10.0	10.1	10.0	10.0	10.0	10.0	9.9	10.0	10.0	10.0	10.2	10.0	10.0	10.0	9.7	9.8	9.7
12 <i>Ch. albiceps</i> <sup>GB2</sup>	9.7	9.8	9.7	9.9	9.7	9.7	9.8	9.9	9.9	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.8	10.0	9.8	9.9	9.8	9.9	9.7	9.8	9.9	10.0	10.0	9.8	9.8	9.9	9.7	9.5	9.5
13 <i>Ch. albiceps</i> <sup>3</sup>	9.9	10.0	9.9	10.0	9.9	9.9	10.0	10.0	10.0	9.9	10.0	10.0	10.0	10.0	10.0	9.9	10.0	10.1	10.0	10.0	10.0	10.0	9.9	10.0	10.0	10.2	10.2	10.0	10.0	10.0	9.7	9.8	9.7
14 <i>Ch. megacephala</i> <sup>GB1</sup>	9.8	9.7	9.7	9.8	9.7	9.7	9.8	9.8	9.7	9.7	9.8	9.8	9.7	9.7	9.9	9.7	9.8	9.7	9.9	9.7	10.0	9.7	9.8	9.8	9.7	9.8	9.8	9.7	9.7	9.8	9.8	9.7	9.4
15 <i>Ch. megacephala</i> <sup>GB2</sup>	9.7	9.7	9.6	9.7	9.6	9.6	9.7	9.7	9.7	9.6	9.7	9.7	9.7	9.8	9.7	9.7	9.8	9.7	9.7	9.8	9.7	9.9	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.3
16 <i>Ch. megacephala</i> <sup>GB3</sup>	9.9	9.8	9.7	9.9	9.7	9.7	9.8	9.9	9.9	9.7	9.8	9.8	9.8	10.0	9.8	9.9	9.8	10.0	9.8	10.0	9.8	9.9	9.9	9.8	9.9	9.9	9.9	9.8	9.8	9.9	9.9	9.8	9.5
17 <i>Ch. megacephala</i> <sup>GB4</sup>	9.9	9.8	9.7	9.9	9.7	9.7	9.8	9.9	9.9	9.7	9.8	9.8	9.8	10.0	9.8	9.9	9.8	10.0	9.8	10.0	9.8	9.9	9.9	9.8	9.9	9.9	9.9	9.8	9.8	9.9	9.9	9.8	9.5
18 <i>Ch. megacephala</i> <sup>GB5</sup>	9.9	9.8	9.7	9.9	9.7	9.7	9.8	9.9	9.9	9.7	9.8	9.8	9.8	10.0	9.8	9.9	9.8	10.0	9.8	10.0	9.8	9.9	9.9	9.8	9.9	9.9	9.9	9.8	9.8	9.9	9.9	9.8	9.5
19 <i>Ch. megacephala</i> <sup>GB6</sup>	9.7	9.7	9.6	9.7	9.6	9.6	9.7	9.7	9.7	9.6	9.7	9.7	9.7	9.8	9.7	9.7	9.7	9.8	9.7	9.9	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.3
20 <i>Ch. megacephala</i> <sup>GB7</sup>	10.0	9.9	9.8	10.0	9.8	9.8	9.9	10.0	10.0	9.8	9.9	9.9	9.9	10.0	9.9	10.0	9.9	10.0	9.9	10.1	9.9	10.0	10.0	9.9	10.0	9.8	10.0	9.9	9.9	10.0	9.9	9.6	9.6
21 <i>Ch. megacephala</i> <sup>GB8</sup>	9.8	9.7	9.7	9.8	9.7	9.8	9.7	9.8	9.8	9.7	9.7	9.7	9.7	9.9	9.7	9.8	9.7	9.9	9.7	10.0	9.7	9.8	9.8	9.7	9.8	9.8	9.8	9.7	9.7	9.8	9.8	9.7	9.4
22 <i>Ch. megacephala</i> <sup>GB9</sup>	9.7	9.7	9.7	9.7	9.6	9.6	9.7	9.7	9.7	9.6	9.8	9.7	9.7	9.8	9.7	9.7	9.7	9.8	9.8	9.9	9.7	9.9	9.7	9.7	9.7	9.9	9.7	9.7	9.8	9.7	9.9	9.8	9.5
23 <i>Ch. megacephala</i> <sup>GB10</sup>	9.7	9.7	9.6	9.7	9.6	9.6	9.7	9.7	9.7	9.6	9.7	9.7	9.7	9.8	9.7	9.7	9.7	9.8	9.7	9.9	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.3
24 <i>P. regina</i> <sup>GB1</sup>	9.7	9.8	9.7	9.8	9.7	9.8	9.7	9.8	9.8	9.7	9.6	9.7	9.7	9.7	9.7	9.8	9.9	9.7	9.7	9.9	9.8	9.7	9.7	9.6	9.7	9.8	9.8	9.7	9.9	9.9	9.7	9.6	9.7
25 <i>P. regina</i> <sup>GB2</sup>	9.7	9.9	9.7	9.9	9.7	9.9	9.8	9.9	9.9	9.7	9.7	9.8	9.8	9.8	9.8	9.9	10.0	9.8	9.8	10.0	9.9	9.7	9.7	9.7	9.7	9.9	9.9	9.8	10.0	10.0	9.8	9.7	9.7
26 <i>P. regina</i> <sup>GB3</sup>	9.7	9.9	9.7	9.9	9.7	9.7	9.8	9.9	9.9	9.7	9.7	9.8	9.8	9.8	9.8	9.9	10.0	9.8	9.8	10.0	9.9	9.7	9.7	9.7	9.7	9.9	9.9	9.8	10.0	10.0	9.8	9.7	9.7
27 <i>P. regina</i> <sup>GB4</sup>	9.8	10.0	9.8	10.0	9.8	9.8	9.9	10.0	10.0	9.8	9.7	9.9	9.9	9.9	9.9	10.0	10.0	9.9	9.9	10.0	10.0	9.8	9.8	9.7	9.8	10.0	10.0	9.9	10.0	10.0	9.9	9.7	9.8
28 <i>P. regina</i> <sup>GB5</sup>	9.8	10.0	9.8	10.0	9.8	10.0	9.9	10.0	10.0	9.8	9.7	9.9	9.9	9.9	9.9	10.0	10.0	9.9	9.9	10.0	10.0	9.7	9.8	9.7	9.8	10.0	10.0	9.9	10.0	10.0	9.9	9.7	9.8
29 <i>P. regina</i> <sup>GB6</sup>	9.7	9.8	9.7	9.8	9.7	9.8	9.7	9.8	9.8	9.7	9.6	9.7	9.7	9.7	9.7	9.8	9.9	9.7	9.7	9.9	9.8	9.7	9.7	9.6	9.7	9.8	9.8	9.7	9.9	9.9	9.7	9.6	9.7
30 <i>P. regina</i> <sup>GB7</sup>	9.3	9.4	9.4	9.4	9.3	9.3	9.3	9.4	9.4	9.3	9.3	9.3	9.3	9.3	9.3	9.4	9.5	9.5	9.3	9.6	9.4	9.4	9.3	9.2	9.3	9.4	9.6	9.5	9.5	9.5	9.6	9.3	9.4
31 <i>C. vicina</i> <sup>GB1</sup>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4
32 <i>C. vicina</i> <sup>1</sup>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.5
33 <i>C. vicina</i> <sup>GB3</sup>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.5

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

*Material suplementario / Supplementary material*

**Table S40.** (Continued)

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	
34	<i>C. vicina</i> <sup>GB4</sup>	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5
35	<i>C. vicina</i> <sup>GB5</sup>	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.4	0.4	0.5	
36	<i>C. vicina</i> <sup>GB6</sup>	2	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.2	0.2	0.3	
37	<i>C. vicina</i> <sup>*7</sup>	2	2	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	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	0.4	0.4	0.4	0.5	
38	<i>C. vicina</i> <sup>GB8</sup>	2	2	2	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5
39	<i>C. vicina</i> <sup>GB9</sup>	2	2	2	2	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	
40	<i>C. vicina</i> <sup>GB10</sup>	2	2	2	2	2	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.4	0.4	0.4	0.5		
41	<i>C. vicina</i> <sup>GB11</sup>	2	2	2	2	2	2	—	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	
42	<i>C. vicina</i> <sup>GB12</sup>	2	2	2	2	2	2	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	
43	<i>C. vicina</i> <sup>GB13</sup>	2	2	2	2	2	2	2	—	0.2	0.2	0.1	0.2	0.2	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	0.4	0.4	0.4	0.5	
44	<i>C. vicina</i> <sup>GB14</sup>	3	3	1	3	3	3	3	3	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.4	0.1	0.4	0.2	0.4	0.4	0.2	0.4	0.5	0.3	0.3	0.4	0.5	
45	<i>C. vicina</i> <sup>GB15</sup>	3	3	3	3	3	3	3	1	3	3	4	—	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.5	0.5	0.5	0.5	0.5	
46	<i>C. vicina</i> <sup>*16</sup>	3	3	3	1	3	3	3	3	3	1	4	4	—	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	
47	<i>C. vicina</i> <sup>GB17</sup>	1	3	3	3	3	3	3	3	3	4	4	4	—	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	
48	<i>C. vicina</i> <sup>GB18</sup>	3	3	3	3	3	3	3	3	3	3	4	4	4	—	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	
49	<i>C. vicina</i> <sup>GB19</sup>	3	3	3	3	3	3	1	3	3	3	4	4	4	4	—	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4	0.2	0.5	0.5	0.5	0.5	
50	<i>C. vicina</i> <sup>GB20</sup>	3	1	3	3	3	3	3	3	3	3	4	4	4	4	—	0.3	0.3	0.4	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.5	0.4	0.4	
51	<i>C. vicina</i> <sup>GB21</sup>	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	—	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	
52	<i>C. vicina</i> <sup>GB22</sup>	3	3	1	3	3	3	3	3	3	3	2	4	4	4	4	4	—	0.4	0.4	0.2	0.4	0.2	0.4	0.2	0.4	0.4	0.2	0.4	0.5	0.3	0.3	0.4	
53	<i>C. vicina</i> <sup>GB23</sup>	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	—	0.5	0.5	0.5	0.5	0.5	0.3	0.5	0.5	0.5	0.5	0.4	0.5	0.6	
54	<i>C. vicina</i> <sup>GB24</sup>	4	2	4	4	4	4	4	4	4	4	5	5	5	5	5	3	5	5	6	—	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.5	0.5	0.6	
55	<i>C. vicina</i> <sup>*25</sup>	4	4	2	4	4	4	4	4	4	4	1	5	5	5	5	5	5	3	6	6	—	0.5	0.5	0.3	0.5	0.5	0.3	0.5	0.5	0.4	0.4	0.5	
56	<i>C. vicina</i> <sup>GB26</sup>	2	4	4	4	4	4	4	4	4	4	5	5	5	3	5	5	5	5	6	4	6	—	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.6	
57	<i>C. vicina</i> <sup>GB27</sup>	4	4	4	4	4	4	2	4	4	4	5	5	5	5	3	5	5	5	6	6	6	—	0.3	0.5	0.5	0.5	0.3	0.5	0.5	0.5	0.5	0.6	
58	<i>C. vicina</i> <sup>GB28</sup>	4	4	2	4	4	4	4	4	4	4	3	5	5	5	5	5	5	3	6	6	4	6	4	—	0.5	0.5	0.3	0.5	0.5	0.4	0.4	0.5	
59	<i>C. vicina</i> <sup>GB29</sup>	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	6	6	6	6	6	—	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	
60	<i>C. vicina</i> <sup>GB30</sup>	4	4	4	4	4	4	2	4	4	5	3	5	5	5	5	5	5	6	6	6	6	6	6	6	—	0.5	0.5	0.5	0.5	0.5	0.5	0.6	
61	<i>C. vicina</i> <sup>GB31</sup>	4	4	2	4	4	4	4	4	4	3	5	5	5	5	5	5	5	3	6	6	4	6	6	4	6	6	—	0.5	0.2	0.4	0.5		
62	<i>C. vicina</i> <sup>GB32</sup>	4	4	4	4	4	2	4	4	4	5	5	5	5	3	5	5	5	6	6	6	6	6	6	6	6	6	—	0.5	0.5	0.5	0.5		
63	<i>C. vicina</i> <sup>GB33</sup>	5	3	5	5	5	5	5	5	5	6	6	6	6	6	6	4	6	6	7	1	7	3	7	7	7	7	7	—	0.6	0.6	0.7		
64	<i>C. vicina</i> <sup>GB34</sup>	5	5	3	5	5	5	5	5	5	4	6	6	6	6	6	6	6	4	5	7	5	7	7	5	7	7	3	7	8	—	0.5	0.5	
65	<i>C. vicina</i> <sup>GB35</sup>	5	5	3	5	5	5	5	5	5	4	6	6	6	6	6	6	6	4	7	7	5	7	7	5	7	7	5	7	8	6	—	0.4	
66	<i>C. vicina</i> <sup>GB36</sup>	6	6	4	6	6	6	6	6	6	5	7	7	7	7	7	5	7	5	8	8	6	8	8	6	8	8	6	6	9	7	5	—	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

**Material suplementario / Supplementary material**

**Table S40.** (Continued)

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
67 <i>C. vomitoria</i> <sup>GB1</sup>	59	59	59	59	57	59	59	59	59	57	60	58	58	60	58	60	60	60	58	57	57	61	59	59	61	57	61	60	59	58	57	58	57
68 <i>C. vomitoria</i> <sup>GB2</sup>	59	59	59	59	57	59	59	59	59	57	60	58	58	60	58	60	60	60	58	59	57	61	59	59	61	59	59	60	59	58	57	58	57
69 <i>L. sericata</i> <sup>GB1</sup>	98	99	100	100	98	98	100	100	100	98	101	99	99	99	99	101	100	101	101	100	99	102	98	98	98	98	100	102	102	100	101	101	100
70 <i>L. sericata</i> <sup>GB2</sup>	99	100	99	101	99	99	101	101	101	99	100	100	100	100	100	102	101	102	100	101	100	101	99	99	97	99	101	101	103	101	100	100	99
71 <i>L. sericata</i> <sup>GB3</sup>	99	100	101	101	99	99	101	101	101	99	102	100	100	100	100	102	101	102	102	101	100	103	99	99	99	99	101	103	103	101	102	102	101
72 <i>L. sericata</i> <sup>GB4</sup>	99	100	101	101	99	99	101	101	101	99	102	100	100	100	100	102	101	102	102	101	100	103	99	99	99	99	101	103	103	101	102	102	101
73 <i>L. sericata</i> <sup>GB5</sup>	99	100	101	101	99	99	101	101	101	99	102	100	100	100	100	102	101	102	102	101	100	103	99	99	99	99	101	103	103	101	102	102	101
74 <i>L. sericata</i> <sup>GB6</sup>	99	100	101	101	99	99	101	101	101	99	102	100	100	100	100	102	101	102	102	101	100	103	99	99	99	99	101	103	103	101	102	102	101
75 <i>L. sericata</i> <sup>GB7</sup>	97	98	99	99	97	97	99	99	99	97	100	98	98	98	98	100	99	100	100	101	98	101	97	97	97	99	99	101	101	99	100	100	99
76 <i>L. sericata</i> <sup>GB8</sup>	100	101	102	102	100	100	102	102	102	100	103	101	101	101	101	103	102	103	103	102	101	104	100	100	100	100	102	104	104	102	103	103	102
77 <i>L. sericata</i> <sup>GB9</sup>	98	99	100	100	98	98	100	100	100	98	101	99	99	99	99	101	100	101	101	100	99	102	98	98	98	98	100	102	102	100	101	99	100
78 <i>L. sericata</i> <sup>GB10</sup>	99	100	101	101	99	99	101	101	101	99	102	100	100	100	100	102	101	102	100	101	100	103	99	99	99	99	101	103	103	101	102	102	101
79 <i>L. cuprina</i> <sup>GB1</sup>	99	100	99	101	99	99	101	101	101	99	100	100	100	100	100	102	101	102	100	101	100	101	99	99	97	99	101	101	103	101	100	100	99
80 <i>L. cuprina</i> <sup>GB2</sup>	100	101	100	102	100	100	100	102	102	100	101	101	101	101	101	101	102	103	101	102	101	102	100	98	98	100	102	102	102	101	101	100	
81 <i>L. cuprina</i> <sup>GB3</sup>	99	100	101	101	99	99	99	101	101	99	102	100	100	100	100	100	101	102	102	101	100	103	99	97	99	99	101	103	101	101	102	102	101
82 <i>L. cuprina</i> <sup>GB4</sup>	100	101	102	102	100	100	102	102	102	100	103	101	101	101	103	103	102	103	103	104	101	104	100	104	104	102	102	104	102	102	103	101	100
83 <i>L. cuprina</i> <sup>GB5</sup>	101	102	103	103	101	101	103	103	103	101	104	102	102	102	104	104	103	104	104	105	102	105	101	105	105	103	103	105	103	103	104	102	101
84 <i>L. cuprina</i> <sup>GB6</sup>	103	104	105	105	103	103	105	105	105	103	106	104	104	104	106	106	105	106	106	105	104	107	103	107	103	105	107	105	105	105	106	104	103
85 <i>L. cuprina</i> <sup>GB7</sup>	102	103	104	104	102	104	104	104	104	102	105	103	103	103	105	105	104	105	105	106	103	106	102	106	106	104	104	106	104	104	105	103	102
86 <i>L. cuprina</i> <sup>GB8</sup>	100	101	102	102	100	100	102	102	102	100	103	101	101	101	103	103	102	103	103	104	101	104	100	104	104	102	102	104	102	102	103	101	100
87 <i>L. cuprina</i> <sup>GB9</sup>	101	102	103	103	101	101	103	103	103	101	104	102	102	102	104	104	103	104	104	105	102	105	101	105	105	103	105	103	105	103	104	102	101
88 <i>L. ampullacea</i> <sup>GB1</sup>	107	109	109	109	107	109	109	109	109	109	110	109	110	108	108	110	108	108	110	109	109	111	107	107	107	109	109	110	109	110	107	108	105
89 <i>L. ampullacea</i> <sup>GB2</sup>	107	109	109	109	107	109	109	109	109	109	110	109	110	108	108	110	108	108	110	109	109	111	107	107	107	109	109	110	109	110	107	108	105
90 <i>L. ampullacea</i> <sup>GB3</sup>	107	109	109	109	107	109	109	109	109	109	110	109	110	108	108	110	108	108	110	109	109	111	107	107	107	109	107	110	109	110	107	108	105
91 <i>L. caesar</i> <sup>*1</sup>	99	101	99	101	99	101	101	99	101	101	100	98	102	100	100	102	102	102	100	101	101	101	99	99	97	101	99	100	101	102	97	100	97
92 <i>L. caesar</i> <sup>*2</sup>	98	100	100	100	98	100	100	98	100	100	101	97	101	99	99	101	101	101	100	100	102	98	98	98	100	98	101	100	101	98	101	98	
93 <i>L. caesar</i> <sup>*3</sup>	100	102	100	102	100	102	102	100	102	102	101	99	103	101	101	103	103	103	101	102	102	102	100	100	98	102	100	101	102	103	98	101	98
94 <i>L. caesar</i> <sup>*4</sup>	98	100	98	100	98	100	100	98	100	100	99	97	101	99	99	101	101	101	99	100	100	100	98	98	96	100	98	99	100	101	96	99	96
95 <i>L. caesar</i> <sup>GB5</sup>	98	100	98	100	98	100	100	98	100	100	99	97	101	99	99	101	101	101	99	100	100	100	98	98	96	100	98	99	100	101	96	99	96
96 <i>L. caesar</i> <sup>*6</sup>	97	99	99	99	97	99	99	97	99	99	100	96	100	98	98	100	100	100	99	99	101	97	97	97	99	97	100	99	100	97	100	97	
97 <i>L. caesar</i> <sup>*7</sup>	99	101	99	101	99	101	101	99	101	101	100	98	102	100	100	102	102	102	100	101	101	101	99	99	97	101	99	100	101	102	97	100	97
98 <i>L. caesar</i> <sup>*8</sup>	99	101	101	101	99	101	101	99	101	101	102	98	102	100	100	102	102	102	101	101	103	99	99	99	101	99	101	102	101	102	99	102	99
99 <i>L. caesar</i> <sup>GB9</sup>	99	101	99	101	99	101	101	99	101	101	100	98	102	100	100	102	102	102	100	101	101	99	99	97	101	99	100	101	102	97	100	97	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.



*Material suplementario / Supplementary material*

**Table S40. (Continued)**

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
100 <i>L. caesar</i> <sup>*10</sup>	100	102	102	102	100	102	102	100	102	102	103	99	103	101	101	103	103	103	103	102	100	104	100	100	100	102	100	103	102	101	100	103	100
101 <i>L. caesar</i> <sup>*11</sup>	101	103	103	103	101	103	103	101	103	103	104	100	104	102	102	104	104	104	104	103	103	105	101	101	101	103	101	104	103	104	101	104	101
102 <i>L. caesar</i> <sup>*12</sup>	101	103	103	103	101	103	103	101	103	103	104	100	104	102	102	104	104	104	104	103	103	105	101	101	101	103	101	104	103	104	101	104	101
103 <i>L. caesar</i> <sup>GB13</sup>	99	101	101	101	99	101	101	99	101	101	102	98	102	100	100	102	102	102	102	101	101	103	99	99	99	101	99	102	101	102	99	102	99
104 <i>L. caesar</i> <sup>GB14</sup>	99	101	101	101	99	101	101	99	101	101	102	98	102	100	100	102	102	102	102	101	101	103	99	99	99	101	99	102	101	102	99	102	99
105 <i>L. caesar</i> <sup>*15</sup>	100	102	102	102	100	102	102	100	102	102	103	99	103	101	101	103	103	103	103	102	102	104	100	100	100	102	100	103	102	103	100	103	100
106 <i>L. caesar</i> <sup>GB16</sup>	101	103	103	103	101	103	103	101	103	103	104	100	104	102	102	104	104	104	104	103	103	105	101	101	101	103	101	104	103	104	101	104	101
107 <i>L. caesar</i> <sup>*16</sup>	101	103	103	103	101	103	103	101	103	103	104	100	104	102	102	104	104	104	104	103	103	105	101	101	101	103	101	104	103	104	101	104	101
108 <i>L. caesar</i> <sup>*17</sup>	103	105	105	105	103	105	105	103	105	105	106	102	106	104	104	106	106	106	106	105	105	107	103	103	103	105	103	106	105	106	103	106	103
109 <i>L. caesar</i> <sup>*18</sup>	101	103	103	103	101	103	103	101	103	103	104	100	104	102	102	104	104	104	104	103	103	105	101	101	101	103	101	104	103	104	101	104	101
110 <i>L. caesar</i> <sup>*19</sup>	100	102	102	102	100	102	102	100	102	102	103	101	103	101	101	103	103	103	103	102	102	104	100	100	100	102	100	103	102	103	100	103	100
111 <i>L. caesar</i> <sup>*20</sup>	102	104	104	104	102	104	104	102	104	104	105	101	105	103	103	105	105	105	105	104	104	106	102	102	102	104	102	105	104	105	102	105	102
112 <i>L. caesar</i> <sup>*21</sup>	100	102	102	102	100	102	102	100	102	102	103	99	103	101	101	103	103	103	103	102	102	104	100	100	100	102	100	103	102	103	100	103	100
113 <i>L. caesar</i> <sup>*22</sup>	100	102	102	102	100	102	102	100	102	102	103	99	103	101	101	103	103	103	103	102	102	104	100	100	100	102	100	103	102	103	100	103	100
114 <i>L. caesar</i> <sup>*23</sup>	100	102	102	102	100	102	102	100	102	102	103	99	103	101	101	103	103	103	103	102	102	104	100	100	100	102	100	103	102	103	100	103	100
115 <i>L. caesar</i> <sup>*24</sup>	101	103	103	103	101	103	103	101	103	103	104	100	104	102	102	104	104	104	104	103	103	105	101	101	101	103	101	104	103	104	101	104	101
116 <i>L. caesar</i> <sup>*25</sup>	102	104	104	104	102	104	104	102	104	104	105	101	105	102	103	105	105	105	105	104	104	106	102	102	102	104	102	105	104	105	102	105	102
117 <i>L. caesar</i> <sup>GB26</sup>	102	104	104	104	102	104	104	102	104	104	105	101	105	103	103	105	105	105	105	104	104	106	102	102	102	104	102	105	104	105	102	105	102
118 <i>L. caesar</i> <sup>*27</sup>	101	103	103	103	101	103	103	101	101	103	104	100	104	102	102	104	104	104	104	103	103	105	101	103	103	103	101	104	103	104	101	104	101
119 <i>L. caesar</i> <sup>*28</sup>	101	103	103	103	101	103	103	101	103	103	104	100	104	102	102	104	104	104	104	103	103	105	101	103	103	103	101	104	103	104	101	104	101
120 <i>L. caesar</i> <sup>GB29</sup>	96	98	96	98	96	98	98	98	98	98	98	97	99	99	97	99	99	99	97	100	98	98	96	98	96	98	100	97	98	99	98	95	94
121 <i>L. caesar</i> <sup>GB30</sup>	96	98	96	98	96	98	98	98	98	98	98	97	99	99	97	99	99	99	97	100	98	98	96	98	96	98	100	97	98	99	98	95	94
122 <i>L. illustris</i> <sup>*1</sup>	98	100	98	100	98	100	100	100	100	100	99	101	101	99	99	101	101	101	99	102	100	100	98	100	98	100	102	99	100	101	98	97	96
123 <i>L. illustris</i> <sup>GB2</sup>	96	98	96	98	96	98	98	98	98	98	98	97	99	99	97	99	99	99	97	100	98	98	96	98	96	98	100	97	98	99	98	95	94
124 <i>L. illustris</i> <sup>GB3</sup>	96	98	96	98	96	98	98	98	98	98	97	99	99	97	97	99	99	99	97	100	98	98	96	98	96	98	100	97	98	99	98	95	94
125 <i>L. illustris</i> <sup>GB4</sup>	95	97	95	97	95	97	97	97	97	97	96	98	98	96	96	98	98	98	96	99	97	97	95	97	95	97	99	96	97	98	97	94	93
126 <i>L. illustris</i> <sup>GB5</sup>	95	97	95	97	95	97	97	97	97	97	96	98	98	96	96	98	98	98	96	99	97	97	95	97	95	97	99	96	97	98	97	94	93
127 <i>L. illustris</i> <sup>GB6</sup>	97	99	97	99	97	99	99	99	99	99	98	100	100	98	98	100	100	100	98	99	99	99	99	97	97	97	101	98	99	100	99	96	95
128 <i>L. illustris</i> <sup>GB7</sup>	97	99	99	99	97	99	99	99	99	99	100	98	100	98	98	100	100	100	100	101	99	101	97	99	99	99	101	100	99	100	101	98	97
129 <i>L. illustris</i> <sup>GB8</sup>	96	98	98	98	96	98	98	98	98	98	98	99	99	97	97	99	99	99	99	100	98	100	96	98	98	98	100	99	98	99	100	97	96
130 <i>L. illustris</i> <sup>GB9</sup>	96	98	97	98	96	98	98	98	98	98	98	99	99	97	97	99	99	99	98	100	98	99	96	98	97	98	100	98	98	99	99	96	95
131 <i>L. illustris</i> <sup>GB10</sup>	98	100	98	100	98	100	100	100	100	100	99	101	101	99	99	101	101	101	99	102	100	100	98	100	98	100	102	99	100	101	100	97	96
132 <i>L. illustris</i> <sup>GB11</sup>	97	99	99	99	97	99	99	99	99	99	100	100	100	98	98	100	100	100	101	97	101	97	99	99	99	101	100	99	98	101	98	97	
133 <i>L. illustris</i> <sup>GB12</sup>	103	105	105	105	103	105	105	103	105	105	106	102	106	104	104	106	106	106	106	105	105	107	103	103	103	105	103	106	105	106	103	106	103

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

**Material suplementario / Supplementary material**

**Table S40.** (Continued)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1 <i>H. bovis</i> <sup>1</sup>	13.7	13.9	12.6	12.6	12.7	12.7	12.6	12.7	12.7	12.6	12.5	12.8	13.0	13.0	13.1	12.2	12.1	12.1	12.2	12.2	14.1	14.0	14.1	13.4	13.5	13.3	13.3	13.5	13.6	13.4	13.6	13.4		
2 <i>H. lineatum</i> <sup>GB1</sup>	13.0	13.1	12.8	12.7	12.9	12.9	12.7	12.9	12.9	12.8	12.6	13.0	13.0	13.0	13.1	12.1	12.0	12.0	12.1	11.9	12.0	13.5	13.5	13.5	12.2	12.2	12.2	12.1	12.2	12.3	12.2	12.3	12.2	
3 <i>H. lineatum</i> <sup>GB2</sup>	12.3	12.3	11.9	11.9	12.0	12.0	11.9	12.0	12.0	11.9	11.8	12.1	12.1	12.2	12.2	11.4	11.3	11.3	11.4	11.2	11.3	13.0	13.0	13.0	11.5	11.5	11.5	11.4	11.5	11.6	11.5	11.6	11.5	
4 <i>M. autumnalis</i> <sup>1</sup>	12.2	12.0	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.8	12.0	11.7	11.8	11.8	11.7	11.8	11.9	11.9	11.9	11.9	12.0	11.8	11.9	11.8	11.5	11.5	11.6	11.5	11.5	11.5	11.7	11.5	11.5	
5 <i>M. autumnalis</i> <sup>GB2</sup>	12.3	12.2	12.0	12.1	12.1	12.1	12.1	12.1	11.9	12.2	11.9	11.9	11.9	11.9	11.9	11.9	12.0	12.1	12.1	12.1	12.2	11.8	11.9	11.8	11.6	11.5	11.7	11.5	11.5	11.6	11.8	11.6	11.6	
6 <i>M. domestica</i> <sup>GB1</sup>	11.5	11.5	10.9	11.0	10.8	10.8	11.0	11.0	11.0	11.0	10.9	11.1	10.8	10.9	10.8	11.4	11.5	11.4	11.5	11.5	11.6	11.4	11.4	11.5	10.5	10.4	10.6	10.4	10.4	10.5	10.7	10.5	10.5	
7 <i>M. domestica</i> <sup>GB2</sup>	11.8	11.8	11.1	11.1	11.1	11.1	11.1	11.2	11.2	11.1	11.1	11.3	10.9	11.0	11.1	11.6	11.5	11.5	11.6	11.6	11.7	11.6	11.6	11.7	10.6	10.7	10.7	10.5	10.5	10.8	10.6	10.8	10.6	
8 <i>M. domestica</i> <sup>GB3</sup>	11.9	11.9	11.2	11.1	11.1	11.1	11.1	11.1	11.3	11.3	11.1	11.2	11.4	11.0	11.1	11.1	11.7	11.6	11.5	11.7	11.7	11.8	11.5	11.5	11.6	10.7	10.8	10.8	10.6	10.6	10.8	10.7	10.8	
9 <i>M. sorbens</i> <sup>GB1</sup>	11.1	11.1	10.3	10.4	10.4	10.2	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.3	11.4	11.5	11.4	11.5	11.5	11.6	11.6	11.6	11.7	10.8	10.7	10.8	10.7	10.8	10.8	10.9	10.6	10.9	
10 <i>Ch. albiceps</i> <sup>GB1</sup>	10.2	10.2	9.7	9.6	9.7	9.7	9.6	9.7	9.6	9.7	9.6	9.7	9.5	9.8	9.6	9.6	9.7	8.9	8.9	9.1	9.0	8.9	9.0	10.1	10.1	10.2	9.1	9.2	9.2	9.0	9.0	9.2	9.1	9.3
11 <i>Ch. albiceps</i> <sup>1</sup>	10.2	10.2	9.7	9.6	9.7	9.7	9.6	9.7	9.6	9.7	9.6	9.7	9.5	9.8	9.6	9.6	9.7	8.9	8.9	9.1	9.0	8.9	9.0	10.1	10.1	10.2	9.1	9.2	9.2	9.0	9.0	9.2	9.1	9.3
12 <i>Ch. albiceps</i> <sup>GB2</sup>	10.2	10.2	9.7	9.6	9.7	9.7	9.6	9.7	9.6	9.7	9.6	9.7	9.5	9.8	9.6	9.6	9.7	8.9	8.9	9.1	9.0	8.9	9.0	10.1	10.1	10.2	9.1	9.2	9.2	9.0	9.0	9.2	9.1	9.3
13 <i>Ch. albiceps</i> <sup>3</sup>	10.2	10.2	9.7	9.6	9.7	9.7	9.6	9.7	9.6	9.7	9.6	9.7	9.5	9.8	9.6	9.6	9.7	8.9	8.9	9.1	9.0	8.9	9.0	10.1	10.1	10.2	9.1	9.2	9.2	9.0	9.0	9.2	9.1	9.3
14 <i>Ch. megacephala</i> <sup>GB1</sup>	10.0	9.8	8.4	8.3	8.5	8.3	8.3	8.5	8.3	8.4	8.6	8.6	8.3	8.3	8.4	8.6	8.6	8.7	8.6	8.6	8.6	10.0	10.0	10.0	8.4	8.5	8.5	8.3	8.3	8.5	8.4	8.4	8.4	
15 <i>Ch. megacephala</i> <sup>GB2</sup>	9.9	9.7	8.3	8.2	8.4	8.2	8.2	8.4	8.2	8.3	8.5	8.5	8.2	8.2	8.3	8.5	8.5	8.6	8.6	8.5	8.6	9.9	9.9	9.9	8.5	8.6	8.6	8.4	8.4	8.6	8.5	8.5	8.5	
16 <i>Ch. megacephala</i> <sup>GB3</sup>	10.0	9.9	8.5	8.4	8.6	8.4	8.4	8.6	8.4	8.5	8.6	8.6	8.4	8.4	8.5	8.6	8.6	8.8	8.7	8.6	8.7	10.0	10.0	10.0	8.5	8.6	8.6	8.4	8.4	8.6	8.5	8.5	8.5	
17 <i>Ch. megacephala</i> <sup>GB4</sup>	9.9	9.7	8.5	8.4	8.6	8.4	8.4	8.6	8.4	8.5	8.6	8.6	8.4	8.4	8.5	8.6	8.6	8.8	8.7	8.6	8.7	9.9	9.9	9.9	8.3	8.4	8.4	8.2	8.2	8.4	8.3	8.3	8.3	
18 <i>Ch. megacephala</i> <sup>GB5</sup>	10.0	9.9	8.5	8.4	8.6	8.4	8.4	8.6	8.4	8.5	8.6	8.6	8.4	8.4	8.5	8.6	8.6	8.8	8.7	8.6	8.7	10.0	10.0	10.0	8.5	8.6	8.6	8.4	8.4	8.6	8.5	8.5	8.5	
19 <i>Ch. megacephala</i> <sup>GB6</sup>	9.9	9.7	8.3	8.2	8.4	8.2	8.4	8.4	8.2	8.5	8.5	8.5	8.2	8.2	8.3	8.5	8.6	8.8	8.7	8.6	8.7	9.9	9.9	9.9	8.3	8.4	8.4	8.2	8.2	8.4	8.5	8.3	8.3	
20 <i>Ch. megacephala</i> <sup>GB7</sup>	10.1	10.0	8.6	8.5	8.6	8.5	8.5	8.6	8.5	8.6	8.7	8.7	8.5	8.5	8.6	8.7	8.7	8.9	8.8	8.7	8.8	10.1	10.1	10.1	8.6	8.6	8.6	8.5	8.5	8.6	8.6	8.6	8.6	
21 <i>Ch. megacephala</i> <sup>GB8</sup>	10.0	9.8	8.4	8.3	8.5	8.3	8.3	8.5	8.3	8.4	8.6	8.6	8.3	8.3	8.4	8.6	8.6	8.7	8.6	8.6	8.6	10.0	10.0	10.0	8.4	8.5	8.5	8.3	8.3	8.5	8.4	8.4	8.4	
22 <i>Ch. megacephala</i> <sup>GB9</sup>	9.7	9.6	8.3	8.4	8.4	8.2	8.4	8.4	8.2	8.5	8.5	8.4	8.4	8.3	8.5	8.6	8.8	8.7	8.6	8.7	9.7	9.7	9.7	8.3	8.2	8.4	8.2	8.2	8.2	8.5	8.2	8.3		
23 <i>Ch. megacephala</i> <sup>GB10</sup>	9.7	9.6	8.8	8.7	8.9	8.7	8.9	8.9	8.7	8.9	8.9	8.9	8.7	8.7	8.8	8.8	8.9	9.1	9.0	8.9	9.0	9.9	9.9	9.9	8.5	8.6	8.6	8.4	8.4	8.6	8.6	8.5	8.5	
24 <i>P. regina</i> <sup>GB1</sup>	9.3	9.1	9.1	9.0	9.2	9.2	9.2	9.2	9.0	9.3	8.9	9.3	8.9	8.9	8.9	9.7	9.8	10.0	9.9	9.9	10.0	9.5	9.5	9.6	9.1	9.2	9.2	9.0	9.0	9.2	9.3	9.3	9.1	
25 <i>P. regina</i> <sup>GB2</sup>	9.3	9.2	9.0	8.9	9.1	9.1	9.1	9.1	9.1	8.9	9.2	8.9	9.2	8.8	8.8	8.9	9.7	9.7	9.9	9.8	9.8	9.9	9.6	9.6	9.7	9.2	9.3	9.3	9.1	9.1	9.3	9.3	9.2	
26 <i>P. regina</i> <sup>GB3</sup>	9.3	9.2	9.0	8.9	9.1	9.1	9.1	9.1	9.1	8.9	9.2	8.9	9.2	8.8	8.8	8.9	9.7	9.7	9.9	9.8	9.8	9.9	9.6	9.6	9.7	9.2	9.3	9.3	9.1	9.1	9.3	9.3	9.2	
27 <i>P. regina</i> <sup>GB4</sup>	9.4	9.3	9.1	9.0	9.2	9.2	9.2	9.2	9.0	9.3	8.9	9.3	8.9	8.9	8.9	9.7	9.8	10.0	9.9	9.9	10.0	9.7	9.7	9.7	9.3	9.3	9.3	9.2	9.2	9.3	9.4	9.4	9.3	
28 <i>P. regina</i> <sup>GB5</sup>	9.5	9.3	9.3	9.2	9.3	9.3	9.3	9.2	9.4	9.1	9.4	9.0	9.0	9.1	9.9	10.0	10.1	10.0	10.0	10.1	9.7	9.7	9.7	9.3	9.3	9.3	9.2	9.2	9.3	9.4	9.4	9.4	9.3	
29 <i>P. regina</i> <sup>GB6</sup>	9.3	9.2	9.0	8.9	9.1	9.1	9.1	9.1	8.9	9.2	8.9	9.1	8.8	8.8	8.9	9.7	9.7	9.9	9.8	9.8	9.9	9.6	9.6	9.7	9.2	9.3	9.3	9.1	9.1	9.3	9.3	9.3	9.2	
30 <i>P. regina</i> <sup>GB7</sup>	8.9	8.9	8.8	8.9	8.9	8.9	8.7	8.9	8.7	8.8	8.6	8.8	8.7	8.7	8.6	8.9	8.8	8.9	8.9	8.9	8.9	9.8	9.8	9.9	9.3	9.3	9.4	9.3	9.3	9.3	9.3	9.3	9.3	
31 <i>C. vicina</i> <sup>GB1</sup>	4.6	4.6	7.8	7.8	7.8	7.8	7.8	7.7	7.9	7.8	7.7	7.9	7.8	7.9	7.8	7.9	8.0	8.2	8.1	7.9	8.0	8.5	8.5	8.5	7.8	7.8	7.9	7.8	7.7	7.8	7.8	7.8		
32 <i>C. vicina</i> <sup>1</sup>	4.6	4.6	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.8	8.0	7.8	7.9	8.0	7.9	8.0	8.1	8.2	8.2	8.0	8.1	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9	
33 <i>C. vicina</i> <sup>GB3</sup>	4.5	4.6	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.8	7.8	7.8	7.8	8.0	8.1	8.1	8.2	8.0	8.1	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

*Material suplementario / Supplementary material*

**Table S40.** (Continued)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
34 <i>C. vicina</i> <sup>GB4</sup>	4.6	4.6	7.7	7.8	7.8	7.8	7.8	7.8	7.6	7.8	7.7	7.8	7.8	7.8	7.8	7.8	7.9	8.1	8.0	7.8	7.9	8.4	8.4	8.4	7.8	7.7	7.8	7.7	7.7	7.6	7.8	7.8	7.8	
35 <i>C. vicina</i> <sup>GB5</sup>	4.6	4.6	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.9	7.8	7.8	7.8	7.9	7.8	7.9	8.0	8.2	8.1	7.9	8.0	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9	
36 <i>C. vicina</i> <sup>GB6</sup>	4.6	4.6	7.8	7.8	7.9	7.9	7.9	7.9	7.8	8.0	7.8	7.9	7.8	7.8	7.9	8.0	8.1	8.2	8.2	8.0	8.1	8.6	8.6	8.6	7.8	7.8	7.8	7.7	7.7	7.8	7.8	7.9	7.8	
37 <i>C. vicina</i> <sup>*7</sup>	4.6	4.6	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.8	8.0	7.8	7.9	7.9	8.0	7.9	8.0	8.1	8.2	8.2	8.0	8.1	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.9	7.9	7.9	
38 <i>C. vicina</i> <sup>GB8</sup>	4.5	4.5	7.7	7.8	7.8	7.8	7.8	7.8	7.6	7.8	7.7	7.8	7.8	7.8	7.8	7.8	7.9	8.1	8.0	7.8	7.9	8.4	8.4	8.4	7.8	7.7	7.8	7.7	7.7	7.6	7.8	7.8	7.8	
39 <i>C. vicina</i> <sup>GB9</sup>	4.6	4.6	7.7	7.8	7.8	7.8	7.8	7.8	7.6	7.8	7.7	7.8	7.8	7.8	7.8	7.8	7.9	8.1	8.0	7.8	7.9	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9	
40 <i>C. vicina</i> <sup>GB10</sup>	4.6	4.6	7.8	7.9	7.9	7.9	7.9	7.9	7.8	8.0	7.8	7.9	7.9	7.8	7.8	8.0	8.1	8.2	8.2	8.0	8.1	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9	
41 <i>C. vicina</i> <sup>GB11</sup>	4.6	4.6	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.8	8.0	7.8	7.9	7.9	8.0	7.9	8.0	8.1	8.2	8.2	8.0	8.1	8.6	8.6	8.6	7.8	7.7	7.8	7.7	7.7	7.6	7.8	7.8	
42 <i>C. vicina</i> <sup>GB12</sup>	4.6	4.6	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.8	8.0	7.8	7.9	7.9	8.0	7.9	8.0	8.1	8.2	8.2	8.0	8.1	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9
43 <i>C. vicina</i> <sup>GB13</sup>	4.5	4.5	7.7	7.8	7.8	7.8	7.8	7.8	7.6	7.8	7.7	7.8	7.8	7.8	7.8	7.8	7.9	8.1	8.0	7.8	7.9	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9	
44 <i>C. vicina</i> <sup>GB14</sup>	4.7	4.7	7.9	7.8	8.0	8.0	8.0	8.0	7.8	8.1	7.9	8.0	7.8	7.9	8.0	8.1	8.2	8.3	8.2	8.1	8.2	8.6	8.6	8.6	7.8	7.9	7.8	7.9	7.8	7.8	7.8	8.0	7.8	
45 <i>C. vicina</i> <sup>GB15</sup>	4.6	4.6	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.9	7.8	7.8	7.8	7.8	7.9	8.0	8.1	8.2	8.1	7.9	8.0	8.6	8.6	8.6	7.7	7.6	7.8	7.6	7.6	7.5	7.7	7.7	7.7	
46 <i>C. vicina</i> <sup>*16</sup>	4.6	4.6	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.9	7.8	7.8	7.8	7.9	7.8	7.9	8.0	8.2	8.1	7.9	8.0	8.6	8.6	8.6	8.0	7.9	8.1	7.9	7.9	7.8	8.0	8.0	8.0	
47 <i>C. vicina</i> <sup>GB17</sup>	4.7	4.7	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.9	7.8	7.8	7.8	7.9	7.8	7.9	8.0	8.2	8.1	7.9	8.0	8.5	8.5	8.5	7.8	7.8	7.9	7.8	7.8	7.7	7.8	7.8	7.8	
48 <i>C. vicina</i> <sup>GB18</sup>	4.6	4.6	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.9	7.8	7.8	7.8	7.9	7.8	8.1	8.2	8.3	8.2	8.1	8.2	8.5	8.5	8.5	7.8	7.8	7.9	7.8	7.8	7.7	7.8	7.8	7.8	
49 <i>C. vicina</i> <sup>GB19</sup>	4.7	4.7	7.9	8.0	8.0	8.0	8.0	8.0	7.8	8.1	7.9	8.0	8.0	7.9	7.8	8.1	8.2	8.3	8.2	8.1	8.2	8.6	8.6	8.6	8.0	7.9	8.1	7.9	7.9	7.8	8.0	8.0	8.0	
50 <i>C. vicina</i> <sup>GB20</sup>	4.7	4.7	7.8	7.9	7.9	7.9	7.9	7.9	7.8	8.0	7.8	7.9	7.9	8.0	7.9	8.0	8.1	8.2	8.2	8.0	8.1	8.5	8.5	8.5	8.0	7.9	8.1	7.9	7.9	7.8	8.0	8.0	8.0	
51 <i>C. vicina</i> <sup>GB21</sup>	4.7	4.7	7.9	8.0	8.0	8.0	8.0	8.0	7.8	8.1	7.9	8.0	8.0	8.1	8.0	8.1	8.2	8.3	8.2	8.1	8.2	8.5	8.5	8.5	8.0	7.9	8.1	7.9	7.9	7.8	8.0	8.0	8.0	
52 <i>C. vicina</i> <sup>GB22</sup>	4.6	4.6	7.9	7.8	8.0	8.0	8.0	8.0	7.8	8.1	7.9	7.8	7.8	7.9	8.0	8.1	8.2	8.3	8.2	8.1	8.2	8.6	8.6	8.6	7.8	7.9	7.9	7.8	7.8	7.8	8.0	8.0	7.8	
53 <i>C. vicina</i> <sup>GB23</sup>	4.5	4.6	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	7.8	7.9	7.9	8.0	7.9	8.2	8.2	8.2	8.3	8.2	8.2	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9	
54 <i>C. vicina</i> <sup>GB24</sup>	4.5	4.5	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.9	7.8	7.8	7.8	7.9	7.8	7.9	8.0	8.2	8.1	7.9	8.0	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9	
55 <i>C. vicina</i> <sup>*25</sup>	4.8	4.8	8.0	7.9	8.1	8.1	8.1	8.1	7.9	8.2	8.0	8.1	7.9	8.0	8.1	8.2	8.2	8.4	8.3	8.2	8.2	8.7	8.7	8.7	7.9	8.0	8.0	7.8	7.8	7.9	7.9	8.1	7.9	
56 <i>C. vicina</i> <sup>GB26</sup>	4.6	4.6	7.7	7.8	7.8	7.8	7.8	7.8	7.6	7.8	7.7	7.8	7.8	7.8	7.8	7.8	7.9	8.1	8.0	7.8	7.9	8.4	8.4	8.4	7.8	7.7	7.8	7.7	7.7	7.6	7.8	7.8	7.8	
57 <i>C. vicina</i> <sup>GB27</sup>	4.6	4.6	7.7	7.8	7.8	7.8	7.8	7.8	7.6	7.8	7.7	7.8	7.8	7.7	7.6	8.2	8.2	8.4	8.3	8.2	8.2	8.4	8.4	8.4	7.8	7.7	7.8	7.7	7.7	7.6	7.8	7.8	7.8	
58 <i>C. vicina</i> <sup>GB28</sup>	4.8	4.8	7.7	7.6	7.8	7.8	7.8	7.8	7.6	7.8	7.7	7.8	7.6	7.7	7.8	8.2	8.2	8.4	8.3	8.2	8.2	8.4	8.4	8.4	7.6	7.7	7.7	7.5	7.5	7.6	7.6	7.8	7.6	
59 <i>C. vicina</i> <sup>GB29</sup>	4.5	4.6	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.0	8.1	8.1	8.2	8.0	8.1	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9		
60 <i>C. vicina</i> <sup>GB30</sup>	4.8	4.6	7.8	7.9	7.9	7.9	7.9	7.9	7.8	8.0	7.8	7.9	7.9	8.0	7.9	8.0	8.1	8.2	8.2	8.0	8.1	8.6	8.6	8.4	7.8	7.7	7.8	7.7	7.7	7.6	7.8	7.8	7.8	
61 <i>C. vicina</i> <sup>GB31</sup>	4.7	4.7	8.0	7.9	8.1	8.1	8.1	8.1	7.9	8.2	8.0	8.1	7.9	8.0	8.1	8.2	8.2	8.4	8.3	8.2	8.2	8.6	8.6	8.6	7.8	7.9	7.8	7.8	7.8	7.8	8.0	7.8	7.8	
62 <i>C. vicina</i> <sup>GB32</sup>	4.6	4.6	8.0	8.1	8.1	8.1	8.1	8.1	7.9	8.2	8.0	8.1	8.1	8.0	7.9	8.0	8.1	8.2	8.2	8.0	8.1	8.6	8.6	8.6	7.9	7.8	8.0	7.8	7.8	7.8	7.9	7.9	7.9	
63 <i>C. vicina</i> <sup>GB33</sup>	4.6	4.6	7.8	7.9	7.9	7.9	7.9	7.9	7.8	8.0	7.8	7.9	7.9	8.0	7.9	8.0	8.1	8.2	8.2	8.0	8.1	8.6	8.6	8.6	8.0	7.9	8.1	7.9	7.9	7.8	8.0	8.0	8.0	
64 <i>C. vicina</i> <sup>GB34</sup>	4.5	4.5	7.9	7.8	8.0	8.0	8.0	8.0	7.8	8.1	7.9	8.0	7.8	7.9	8.0	8.1	8.2	8.3	8.2	8.1	8.2	8.4	8.4	8.4	7.6	7.7	7.7	7.5	7.5	7.6	7.6	7.8	7.6	
65 <i>C. vicina</i> <sup>GB35</sup>	4.6	4.6	7.9	7.8	8.0	8.0	8.0	8.0	7.8	8.1	7.8	8.0	7.8	7.9	8.0	7.9	8.0	8.2	8.1	7.9	8.0	8.5	8.5	8.5	7.8	7.9	7.8	7.8	7.8	7.8	8.0	7.8	7.8	
66 <i>C. vicina</i> <sup>GB36</sup>	4.5	4.5	7.8	7.8	7.9	7.9	7.9	7.9	7.8	8.0	7.8	7.9	7.8	7.8	7.9	7.8	7.9	8.1	8.0	7.8	7.9	8.2	8.2	8.2	7.6	7.7	7.7	7.5	7.5	7.6	7.6	7.8	7.6	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

*Material suplementario / Supplementary material*

**Table S40.** (Continued)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
67 <i>C. vomitoria</i> <sup>GB1</sup>	—	0.3	7.3	7.4	7.4	7.4	7.4	7.4	7.5	7.1	7.3	7.4	7.5	7.4	7.6	7.7	7.7	7.8	7.6	7.7	8.1	8.1	8.1	7.2	7.1	7.3	7.1	7.1	7.2	7.4	7.2	7.2	
68 <i>C. vomitoria</i> <sup>GB2</sup>	4	—	7.3	7.4	7.4	7.4	7.4	7.4	7.2	7.5	7.1	7.3	7.4	7.5	7.4	7.5	7.5	7.5	7.6	7.5	7.5	8.0	8.0	8.0	7.1	7.1	7.2	7.1	7.1	7.1	7.3	7.1	7.1
69 <i>L. sericata</i> <sup>GB1</sup>	93	93	—	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.7	0.8	0.7	3.0	3.1	3.1	3.1	3.1	3.2	6.4	6.4	6.4	5.4	5.3	5.3	5.3	5.5	5.4	5.6	5.3	5.6
70 <i>L. sericata</i> <sup>GB2</sup>	94	94	1	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.7	0.8	3.1	3.1	3.1	3.2	3.2	3.3	6.4	6.5	6.4	5.3	5.4	5.3	5.3	5.4	5.5	5.5	5.3	5.5
71 <i>L. sericata</i> <sup>GB3</sup>	94	94	1	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8	0.9	0.8	3.1	3.1	3.1	3.2	3.2	3.3	6.4	6.5	6.4	5.5	5.4	5.4	5.4	5.6	5.5	5.7	5.3	5.7
72 <i>L. sericata</i> <sup>GB4</sup>	94	94	1	2	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.8	0.9	0.8	3.1	3.1	3.1	3.2	3.2	3.3	6.4	6.5	6.4	5.5	5.4	5.4	5.4	5.6	5.5	5.7	5.3	5.7
73 <i>L. sericata</i> <sup>GB5</sup>	94	94	1	2	2	—	0.2	0.2	0.1	0.2	0.2	0.2	0.8	0.9	0.8	3.1	3.0	3.0	3.1	3.1	3.1	6.4	6.5	6.4	5.5	5.4	5.4	5.4	5.6	5.5	5.5	5.3	5.7
74 <i>L. sericata</i> <sup>GB6</sup>	94	94	1	2	2	2	—	0.2	0.2	0.2	0.2	0.2	0.8	0.9	0.8	3.1	3.1	3.1	3.2	3.2	3.3	6.4	6.5	6.4	5.5	5.4	5.4	5.4	5.6	5.5	5.7	5.3	5.7
75 <i>L. sericata</i> <sup>GB7</sup>	94	92	1	2	2	2	2	—	0.2	0.2	0.2	0.8	0.9	0.8	2.9	3.0	3.1	3.1	3.1	3.1	3.1	6.3	6.4	6.3	5.3	5.3	5.3	5.3	5.4	5.3	5.5	5.2	5.5
76 <i>L. sericata</i> <sup>GB8</sup>	95	95	2	3	3	3	1	3	3	—	0.3	0.3	0.9	0.9	0.9	3.1	3.1	3.1	3.1	3.2	6.5	6.6	6.5	5.6	5.5	5.5	5.5	5.7	5.6	5.6	5.4	5.7	
77 <i>L. sericata</i> <sup>GB9</sup>	91	91	2	3	3	3	3	3	3	4	—	0.3	0.9	0.9	0.9	2.8	2.9	2.9	3.0	3.0	3.1	6.4	6.4	6.4	5.4	5.3	5.3	5.3	5.5	5.4	5.6	5.4	5.6
78 <i>L. sericata</i> <sup>GB10</sup>	93	93	2	3	3	3	3	3	3	4	4	—	0.9	0.9	0.9	3.1	3.2	3.2	3.3	3.3	3.4	6.5	6.6	6.5	5.6	5.5	5.5	5.5	5.7	5.6	5.7	5.4	5.7
79 <i>L. cuprina</i> <sup>GB1</sup>	94	94	9	8	10	10	10	10	11	11	11	—	0.1	0.2	3.1	3.1	3.1	3.2	3.2	3.3	3.3	6.4	6.5	6.4	5.3	5.4	5.4	5.3	5.3	5.5	5.5	5.3	5.3
80 <i>L. cuprina</i> <sup>GB2</sup>	95	95	10	9	11	11	11	11	11	12	12	1	—	0.1	3.1	3.2	3.2	3.3	3.3	3.4	6.5	6.6	6.5	5.4	5.5	5.5	5.5	5.3	5.3	5.6	5.6	5.4	5.4
81 <i>L. cuprina</i> <sup>GB3</sup>	94	94	9	10	10	10	10	10	11	11	11	2	1	—	3.1	3.1	3.1	3.2	3.2	3.3	3.3	6.4	6.5	6.4	5.5	5.4	5.6	5.4	5.4	5.5	5.7	5.3	5.5
82 <i>L. cuprina</i> <sup>GB4</sup>	97	95	38	39	39	39	39	39	37	40	36	40	39	40	39	—	0.2	0.3	0.2	0.2	0.2	7.3	7.3	7.3	5.8	5.7	5.9	5.7	5.7	5.8	6.0	5.8	5.8
83 <i>L. cuprina</i> <sup>GB5</sup>	98	96	39	40	40	40	38	40	38	39	37	41	40	41	40	2	—	0.2	0.1	0.2	0.2	7.4	7.4	7.4	5.9	5.8	6.0	5.8	5.8	5.9	5.9	5.9	5.9
84 <i>L. cuprina</i> <sup>GB6</sup>	98	96	39	40	40	40	38	40	40	39	37	41	40	41	40	4	2	—	0.2	0.3	0.4	7.5	7.5	7.5	6.0	5.9	6.0	5.9	6.0	5.9	6.0	6.0	6.0
85 <i>L. cuprina</i> <sup>GB7</sup>	99	97	40	41	41	41	39	41	39	40	38	42	41	42	41	3	1	3	—	0.2	0.3	7.5	7.5	7.5	6.0	5.9	6.0	5.9	6.0	6.0	6.0	6.0	6.0
86 <i>L. cuprina</i> <sup>GB8</sup>	97	95	40	41	41	41	39	41	39	40	38	42	41	42	41	2	2	4	3	—	0.1	7.3	7.3	7.3	5.8	5.7	5.9	5.7	5.7	5.8	5.8	5.8	5.8
87 <i>L. cuprina</i> <sup>GB9</sup>	98	96	41	42	42	42	40	42	40	41	39	43	42	43	42	3	3	5	4	1	—	7.4	7.4	7.4	5.9	5.8	6.0	5.8	5.8	5.9	5.9	5.9	5.9
88 <i>L. ampullacea</i> <sup>GB1</sup>	103	102	81	82	82	82	82	82	80	83	81	83	82	83	82	93	94	95	95	93	94	—	0.1	0.3	4.9	4.9	5.0	4.9	4.9	4.8	4.9	4.8	4.8
89 <i>L. ampullacea</i> <sup>GB2</sup>	103	102	82	83	83	83	83	83	81	84	82	84	83	84	83	93	94	95	95	93	94	1	—	0.4	4.9	4.9	5.0	4.9	4.9	4.8	4.9	4.8	4.8
90 <i>L. ampullacea</i> <sup>GB3</sup>	103	102	81	82	82	82	82	82	80	83	81	83	82	83	82	93	94	95	95	93	94	4	5	—	4.9	4.9	5.0	4.9	4.9	4.8	4.9	4.8	4.8
91 <i>L. caesa</i> <sup>A*1</sup>	92	91	69	68	70	70	70	70	68	71	69	71	68	69	70	74	75	76	76	74	75	63	63	—	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	
92 <i>L. caesa</i> <sup>A*2</sup>	91	90	68	69	69	69	69	69	67	70	68	70	69	70	69	73	74	75	75	73	74	62	62	62	1	—	0.2	0.2	0.2	0.1	0.2	0.1	0.2
93 <i>L. caesa</i> <sup>A*3</sup>	93	92	68	67	69	69	69	69	67	70	68	70	69	70	71	75	76	77	77	75	76	64	64	64	1	2	—	0.2	0.2	0.2	0.2	0.2	
94 <i>L. caesa</i> <sup>A*4</sup>	91	90	68	67	69	69	69	69	67	70	68	70	67	68	69	73	74	75	75	73	74	62	62	62	1	2	2	—	0.2	0.2	0.2	0.2	
95 <i>L. caesa</i> <sup>GB5</sup>	91	90	70	69	71	71	71	71	69	72	70	72	67	68	69	73	74	75	75	73	74	62	62	62	1	2	2	2	—	0.2	0.2	0.2	0.1
96 <i>L. caesa</i> <sup>A*6</sup>	92	91	69	70	70	70	70	70	68	71	69	71	70	71	70	74	75	76	76	74	75	61	61	61	2	1	3	3	3	—	0.3	0.2	0.3
97 <i>L. caesa</i> <sup>A*7</sup>	94	93	71	70	72	72	70	72	70	71	71	73	70	71	72	76	75	76	76	74	75	63	63	63	2	3	3	3	3	4	—	0.3	0.3
98 <i>L. caesa</i> <sup>A*8</sup>	92	91	67	68	68	68	68	66	69	69	69	69	69	69	68	74	75	76	76	74	75	61	61	61	2	1	3	3	3	2	4	—	0.3
99 <i>L. caesa</i> <sup>GB9</sup>	92	91	71	70	72	72	72	72	70	73	71	73	68	69	70	74	75	76	76	74	75	61	61	61	2	3	3	3	1	4	4	4	—

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

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Table S40. (Continued)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
100 <i>L. caesar</i> <sup>*10</sup>	91	90	70	71	71	71	69	71	69	70	70	72	71	72	71	75	74	75	75	73	74	64	64	64	3	2	4	4	4	3	3	3	5
101 <i>L. caesar</i> <sup>*11</sup>	92	91	69	70	70	70	70	70	68	71	71	71	70	71	70	76	77	78	78	76	77	61	61	61	4	3	5	5	5	4	6	2	4
102 <i>L. caesar</i> <sup>*12</sup>	94	93	69	70	70	70	70	70	68	71	69	71	70	71	70	74	75	76	76	76	77	63	63	63	4	3	5	5	5	4	6	4	4
103 <i>L. caesar</i> <sup>GB13</sup>	92	91	71	72	72	72	72	72	70	73	71	73	70	71	70	74	75	76	76	74	75	61	61	61	4	3	5	5	3	4	6	4	4
104 <i>L. caesar</i> <sup>GB14</sup>	92	91	71	72	72	72	72	72	70	73	71	73	70	71	70	74	75	76	76	74	75	61	61	61	4	3	5	5	3	4	6	4	2
105 <i>L. caesar</i> <sup>*15</sup>	93	92	72	73	73	73	73	73	71	74	72	74	71	72	71	75	76	77	77	75	76	60	60	58	5	4	6	6	4	5	7	5	3
106 <i>L. caesar</i> <sup>GB16</sup>	92	91	71	72	72	72	72	72	70	73	71	73	70	71	70	76	77	78	78	76	77	61	61	59	6	5	7	7	5	6	8	6	4
107 <i>L. caesar</i> <sup>*16</sup>	92	91	71	72	72	72	72	72	70	73	71	73	70	71	70	76	77	78	78	76	77	61	61	59	6	5	7	7	5	6	8	6	4
108 <i>L. caesar</i> <sup>*17</sup>	96	95	71	72	72	72	72	72	70	73	73	73	72	73	72	78	79	80	80	78	79	61	61	61	6	5	7	7	7	6	8	4	6
109 <i>L. caesar</i> <sup>*18</sup>	94	93	70	71	71	71	71	71	69	72	70	72	71	72	71	75	76	77	77	75	76	59	59	59	6	5	7	7	7	6	8	6	6
110 <i>L. caesar</i> <sup>*19</sup>	93	92	70	71	71	71	69	71	69	70	70	72	71	72	71	77	76	77	77	75	76	63	63	63	7	6	8	8	8	7	7	7	7
111 <i>L. caesar</i> <sup>*20</sup>	93	92	72	73	73	73	71	73	71	72	72	74	71	72	71	77	76	77	77	75	76	62	62	60	7	6	8	8	6	7	7	7	5
112 <i>L. caesar</i> <sup>*21</sup>	93	92	73	74	74	74	74	74	72	75	73	75	72	73	72	76	77	78	78	76	77	62	62	60	9	8	10	10	8	9	11	9	7
113 <i>L. caesar</i> <sup>*22</sup>	93	92	68	69	69	69	69	69	67	70	70	69	70	69	77	78	79	79	77	78	60	60	60	9	8	10	10	10	9	11	7	9	
114 <i>L. caesar</i> <sup>*23</sup>	93	92	70	71	71	71	71	71	69	72	72	72	69	70	69	77	78	79	79	77	78	60	60	58	11	10	12	12	10	11	13	9	9
115 <i>L. caesar</i> <sup>*24</sup>	94	93	71	72	72	72	72	72	70	73	73	73	70	71	70	78	79	80	80	78	79	61	61	59	12	11	13	13	11	12	14	10	10
116 <i>L. caesar</i> <sup>*25</sup>	95	94	70	71	71	71	71	71	69	72	72	72	69	70	69	77	78	79	79	80	62	62	60	13	12	14	14	12	13	15	11	11	
117 <i>L. caesar</i> <sup>GB26</sup>	95	94	72	73	73	73	73	73	71	74	74	74	71	72	71	79	80	81	81	79	80	62	62	60	13	12	14	14	12	13	15	11	11
118 <i>L. caesar</i> <sup>*27</sup>	94	93	73	74	74	74	74	74	72	75	75	75	72	73	72	78	79	80	80	78	79	63	63	61	14	13	15	15	13	14	16	12	12
119 <i>L. caesar</i> <sup>*28</sup>	94	93	71	72	72	72	72	72	70	73	73	73	70	71	70	76	77	78	78	78	79	61	61	61	14	13	15	15	13	14	16	12	12
120 <i>L. caesar</i> <sup>GB29</sup>	94	95	74	73	75	75	75	75	73	76	72	76	73	74	75	75	76	77	77	75	76	62	62	62	22	23	21	23	24	22	24	22	22
121 <i>L. caesar</i> <sup>GB30</sup>	94	95	74	73	75	75	75	75	73	76	72	76	73	74	75	77	78	79	79	77	78	64	64	64	24	25	25	23	25	26	24	26	24
122 <i>L. illustris</i> <sup>*1</sup>	94	95	74	73	75	75	75	75	73	76	72	76	73	74	75	75	76	77	77	75	76	62	62	62	22	23	23	21	23	24	22	24	22
123 <i>L. illustris</i> <sup>GB2</sup>	94	95	76	75	77	77	77	77	75	78	74	78	75	76	77	75	76	77	77	75	76	62	62	62	22	23	23	21	23	24	22	24	22
124 <i>L. illustris</i> <sup>GB3</sup>	94	95	76	75	77	77	77	77	75	78	74	78	75	76	77	77	78	79	79	77	78	62	62	62	22	23	23	21	23	24	22	24	22
125 <i>L. illustris</i> <sup>GB4</sup>	95	94	75	74	76	76	76	76	74	77	73	77	74	75	76	74	75	76	76	74	75	63	63	63	23	24	24	22	24	25	23	25	23
126 <i>L. illustris</i> <sup>GB5</sup>	94	95	73	72	74	74	74	74	72	75	71	75	72	73	74	74	75	76	76	74	75	61	61	61	21	22	22	20	22	23	21	23	21
127 <i>L. illustris</i> <sup>GB6</sup>	93	96	73	72	74	74	74	74	74	75	71	75	72	73	74	76	77	76	78	76	77	63	63	63	25	26	26	24	26	27	25	27	25
128 <i>L. illustris</i> <sup>GB7</sup>	93	94	73	74	74	74	74	74	72	75	71	75	74	75	74	74	75	76	76	74	75	62	62	62	23	22	24	22	24	23	23	23	23
129 <i>L. illustris</i> <sup>GB8</sup>	94	95	75	76	76	76	76	76	74	77	73	77	76	77	76	76	77	78	78	76	77	63	63	63	25	24	26	24	26	25	25	25	25
130 <i>L. illustris</i> <sup>GB9</sup>	94	95	72	72	73	73	73	73	71	74	70	74	72	73	73	75	76	77	77	75	76	62	62	62	20	20	21	19	21	21	20	21	20
131 <i>L. illustris</i> <sup>GB10</sup>	96	97	75	74	76	76	76	76	74	77	73	77	74	75	76	76	77	78	78	76	77	64	64	64	22	23	23	21	23	24	22	24	22
132 <i>L. illustris</i> <sup>GB11</sup>	93	94	77	78	78	78	78	78	76	79	75	79	78	79	78	76	77	78	78	76	77	63	63	63	25	24	26	24	26	25	25	25	25
133 <i>L. illustris</i> <sup>GB12</sup>	96	95	71	72	72	72	72	72	70	73	73	73	72	73	72	80	81	82	82	80	81	61	61	59	14	13	13	15	13	14	16	12	12

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

**Material suplementario / Supplementary material**

**Table S40. (Continued)**

	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133
1 <i>H. bovis</i> <sup>1</sup>	13.5	13.6	13.4	13.7	13.6	13.6	13.5	13.5	13.7	13.3	13.3	13.4	13.7	13.6	13.7	13.8	13.7	13.8	13.7	13.5	13.1	13.3	13.1	13.3	13.0	13.0	13.0	13.2	13.3	13.2	13.3	13.3	13.3	13.8
2 <i>H. lineatum</i> <sup>GB1</sup>	12.1	12.2	12.3	12.4	12.3	12.3	12.4	12.4	12.4	12.1	12.2	12.3	12.4	12.3	12.5	12.6	12.6	12.6	12.5	12.6	11.7	11.9	11.7	11.7	11.7	11.6	11.6	11.6	11.8	11.9	11.8	11.9	11.8	12.7
3 <i>H. lineatum</i> <sup>GB2</sup>	11.4	11.5	11.6	11.8	11.6	11.7	11.8	11.8	11.8	11.5	11.4	11.7	11.7	11.9	11.9	12.0	11.9	11.9	11.9	11.9	11.1	11.2	11.1	11.1	11.1	11.0	11.1	11.0	11.1	11.2	11.1	11.2	11.1	12.1
4 <i>M. autumnalis</i> <sup>GB1</sup>	11.6	11.7	11.5	11.5	11.5	11.5	11.6	11.6	11.9	11.6	11.8	11.7	11.6	11.8	11.7	11.8	11.7	11.9	11.9	11.9	11.9	11.9	12.0	11.9	11.9	11.9	11.9	11.9	11.8	11.9	11.9	11.9	11.9	11.8
5 <i>M. autumnalis</i> <sup>GB2</sup>	11.7	11.8	11.6	11.6	11.6	11.6	11.7	11.7	11.9	11.7	11.9	11.8	11.7	11.9	11.8	11.9	11.8	11.9	12.0	11.9	11.9	12.1	11.9	11.9	11.9	11.9	12.0	12.0	11.9	12.0	11.9	12.0	11.9	11.9
6 <i>M. domestica</i> <sup>GB1</sup>	10.4	10.6	10.5	10.5	10.5	10.6	10.5	10.5	10.8	10.8	10.4	10.6	10.5	10.9	10.9	11.0	10.9	11.1	11.0	10.8	10.4	10.4	10.3	10.3	10.4	10.3	10.4	10.2	10.2	10.4	10.4	10.5	10.0	11.0
7 <i>M. domestica</i> <sup>GB2</sup>	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	11.1	11.0	10.5	10.7	10.8	11.1	11.1	11.2	11.1	11.3	11.2	11.1	10.5	10.5	10.4	10.4	10.5	10.4	10.4	10.3	10.4	10.6	10.5	10.6	10.3	11.2
8 <i>M. domestica</i> <sup>GB3</sup>	10.6	10.9	10.8	10.7	10.8	10.8	10.7	10.7	11.0	10.9	10.6	10.6	10.8	11.1	11.1	11.1	11.1	11.2	11.1	11.0	10.6	10.6	10.4	10.4	10.6	10.4	10.5	10.4	10.5	10.7	10.6	10.7	10.4	11.1
9 <i>M. sorbens</i> <sup>GB1</sup>	10.8	10.8	10.8	10.9	10.9	11.0	10.9	10.9	10.9	11.0	10.8	11.0	11.1	11.0	11.1	11.2	11.1	11.3	11.2	11.1	11.1	11.2	11.1	11.1	11.2	11.1	11.1	11.0	11.0	11.1	10.8	11.1	11.0	11.2
10 <i>Ch. albiceps</i> <sup>GB1</sup>	9.2	9.4	9.3	9.3	9.3	9.3	9.3	9.3	9.6	9.4	9.0	9.2	9.3	9.3	9.3	9.4	9.3	9.5	9.4	9.3	9.3	9.3	9.3	9.3	9.2	9.2	9.3	9.3	9.5	9.3	9.3	9.5	9.4	
11 <i>Ch. albiceps</i> <sup>GB1</sup>	9.2	9.4	9.3	9.3	9.3	9.3	9.3	9.3	9.6	9.4	9.0	9.2	9.3	9.3	9.3	9.4	9.3	9.5	9.4	9.3	9.1	9.1	9.3	9.1	9.1	9.0	9.0	9.2	9.2	9.3	9.5	9.3	9.4	
12 <i>Ch. albiceps</i> <sup>GB2</sup>	9.2	9.4	9.3	9.3	9.3	9.3	9.3	9.3	9.6	9.4	9.0	9.2	9.3	9.3	9.3	9.4	9.3	9.5	9.4	9.3	9.1	9.1	9.3	9.1	9.1	9.0	9.0	9.2	9.2	9.3	9.5	9.3	9.4	
13 <i>Ch. albiceps</i> <sup>GB3</sup>	9.2	9.4	9.3	9.3	9.3	9.3	9.3	9.3	9.6	9.4	9.0	9.2	9.3	9.3	9.3	9.4	9.3	9.5	9.4	9.3	9.3	9.3	9.3	9.3	9.2	9.2	9.3	9.3	9.5	9.3	9.3	9.5	9.4	
14 <i>Ch. megacephala</i> <sup>GB1</sup>	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.3	8.5	8.5	8.8	8.8	8.9	8.8	8.9	8.9	8.9	8.7	8.4	8.6	8.6	8.6	8.6	8.5	8.3	8.6	8.5	8.6	8.2	8.5	8.6	9.0
15 <i>Ch. megacephala</i> <sup>GB2</sup>	8.6	8.6	8.6	8.6	8.6	8.7	8.6	8.6	8.8	8.8	8.4	8.6	8.6	8.7	8.7	8.8	8.7	8.9	8.8	8.6	8.3	8.5	8.5	8.5	8.5	8.4	8.2	8.6	8.4	8.6	8.2	8.4	8.6	8.9
16 <i>Ch. megacephala</i> <sup>GB3</sup>	8.6	8.6	8.6	8.6	8.6	8.7	8.6	8.6	8.8	8.8	8.4	8.6	8.6	8.9	8.9	8.9	8.9	9.0	8.9	8.8	8.5	8.6	8.6	8.6	8.6	8.6	8.4	8.7	8.6	8.7	8.3	8.6	8.7	9.1
17 <i>Ch. megacephala</i> <sup>GB4</sup>	8.4	8.5	8.5	8.5	8.5	8.6	8.5	8.5	8.6	8.6	8.2	8.4	8.4	8.7	8.7	8.8	8.7	8.9	8.8	8.6	8.3	8.5	8.5	8.5	8.5	8.4	8.2	8.6	8.4	8.6	8.2	8.4	8.6	8.9
18 <i>Ch. megacephala</i> <sup>GB5</sup>	8.6	8.6	8.6	8.6	8.6	8.7	8.6	8.6	8.8	8.8	8.4	8.6	8.6	8.9	8.9	8.9	8.9	9.0	8.9	8.8	8.5	8.6	8.6	8.6	8.6	8.6	8.4	8.7	8.6	8.7	8.3	8.6	8.7	9.1
19 <i>Ch. megacephala</i> <sup>GB6</sup>	8.6	8.5	8.5	8.5	8.5	8.6	8.5	8.5	8.6	8.6	8.4	8.6	8.4	8.7	8.7	8.8	8.7	8.9	8.8	8.6	8.3	8.5	8.5	8.5	8.5	8.4	8.2	8.6	8.4	8.6	8.2	8.4	8.6	8.9
20 <i>Ch. megacephala</i> <sup>GB7</sup>	8.6	8.7	8.7	8.7	8.7	8.8	8.7	8.7	8.9	8.9	8.5	8.6	8.6	8.9	8.9	9.0	8.9	9.1	9.0	8.9	8.6	8.7	8.7	8.7	8.7	8.6	8.5	8.8	8.6	8.8	8.4	8.6	8.8	9.2
21 <i>Ch. megacephala</i> <sup>GB8</sup>	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.3	8.5	8.5	8.8	8.8	8.9	8.8	8.9	8.9	8.7	8.4	8.6	8.6	8.6	8.6	8.6	8.5	8.3	8.6	8.5	8.6	8.2	8.5	8.6	9.0
22 <i>Ch. megacephala</i> <sup>GB9</sup>	8.4	8.3	8.3	8.3	8.3	8.4	8.3	8.3	8.5	8.5	8.2	8.4	8.2	8.6	8.6	8.6	8.7	8.6	8.5	8.3	8.5	8.5	8.5	8.5	8.4	8.2	8.6	8.2	8.4	8.1	8.4	8.4	8.8	
23 <i>Ch. megacephala</i> <sup>GB10</sup>	8.7	8.6	8.6	8.5	8.6	8.7	8.6	8.6	8.8	8.8	8.6	8.7	8.6	8.8	8.9	8.9	8.9	9.0	8.9	8.8	8.3	8.5	8.5	8.5	8.5	8.4	8.2	8.6	8.4	8.6	8.3	8.4	8.6	9.1
24 <i>P. regina</i> <sup>GB1</sup>	9.3	9.4	9.1	9.1	9.1	9.2	9.1	9.1	9.4	9.3	9.2	9.2	9.3	9.2	9.2	9.3	9.2	9.3	9.4	9.3	9.0	9.0	9.2	9.2	9.0	9.1	8.9	9.1	9.1	9.3	9.1	9.2	9.4	9.3
25 <i>P. regina</i> <sup>GB2</sup>	9.4	9.5	9.2	9.2	9.2	9.3	9.2	9.2	9.5	9.3	9.3	9.4	9.3	9.3	9.3	9.3	9.4	9.5	9.3	8.9	8.9	9.1	9.1	9.1	9.0	8.9	9.0	9.0	9.2	9.0	9.1	9.3	9.3	
26 <i>P. regina</i> <sup>GB3</sup>	9.4	9.5	9.2	9.2	9.2	9.3	9.2	9.2	9.5	9.3	9.3	9.4	9.3	9.3	9.3	9.4	9.5	9.3	9.1	9.1	9.3	9.3	9.1	9.2	9.0	9.2	9.2	9.3	9.2	9.3	9.5	9.3	9.3	
27 <i>P. regina</i> <sup>GB4</sup>	9.5	9.6	9.3	9.3	9.3	9.3	9.3	9.3	9.6	9.4	9.3	9.3	9.5	9.3	9.3	9.4	9.3	9.3	9.6	9.4	9.2	9.2	9.3	9.3	9.2	9.3	9.1	9.3	9.3	9.4	9.3	9.3	9.6	9.4
28 <i>P. regina</i> <sup>GB5</sup>	9.5	9.6	9.3	9.3	9.3	9.3	9.3	9.3	9.6	9.4	9.3	9.3	9.5	9.3	9.3	9.4	9.3	9.5	9.6	9.4	9.2	9.2	9.3	9.3	9.2	9.3	9.1	9.3	9.3	9.4	9.3	9.3	9.6	9.4
29 <i>P. regina</i> <sup>GB6</sup>	9.4	9.5	9.2	9.2	9.2	9.3	9.2	9.2	9.5	9.3	9.3	9.4	9.3	9.3	9.3	9.4	9.5	9.3	8.9	8.9	9.1	9.1	9.1	9.1	9.0	8.9	9.0	9.0	9.2	9.0	9.1	9.3	9.3	
30 <i>P. regina</i> <sup>GB7</sup>	9.3	9.5	9.2	9.2	9.2	9.4	9.3	9.3	9.7	9.5	9.1	9.3	9.4	9.6	9.6	9.7	9.6	9.7	9.8	9.7	9.0	9.2	9.2	9.0	9.0	8.9	8.9	9.1	8.9	9.1	9.0	9.2	9.1	9.7
31 <i>C. vicina</i> <sup>GB1</sup>	7.9	8.0	8.0	7.8	7.8	7.9	8.0	8.1	8.2	8.0	7.9	8.1	7.9	7.9	7.9	8.0	8.1	8.1	8.0	8.0	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.7	7.7	7.6	7.8	7.7	8.2	8.2
32 <i>C. vicina</i> <sup>GB2</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.2
33 <i>C. vicina</i> <sup>GB3</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.2

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

*Material suplementario / Supplementary material*

**Table S40.** (Continued)

	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	
34	<i>C. vicina</i> <sup>(GB4)</sup>	7.8	7.9	7.9	7.8	7.8	7.8	7.9	8.1	7.9	7.8	8.0	7.8	7.8	7.8	7.9	8.0	8.0	7.9	7.9	7.5	7.5	7.7	7.5	7.5	7.5	7.5	7.6	7.6	7.5	7.5	7.7	7.6	8.1	
35	<i>C. vicina</i> <sup>(GB5)</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.2	
36	<i>C. vicina</i> <sup>(GB6)</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.5	7.5	7.7	7.5	7.5	7.5	7.5	7.6	7.8	7.7	7.6	7.7	7.8	8.2	
37	<i>C. vicina</i> <sup>*7</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.2	
38	<i>C. vicina</i> <sup>GB8</sup>	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.9	8.1	7.9	7.8	8.0	7.8	7.8	7.8	7.9	8.0	8.0	7.9	7.9	7.5	7.5	7.7	7.5	7.5	7.5	7.6	7.6	7.5	7.5	7.7	7.6	8.1	
39	<i>C. vicina</i> <sup>GB9</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.2	
40	<i>C. vicina</i> <sup>GB10</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.2	
41	<i>C. vicina</i> <sup>GB11</sup>	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.9	8.1	7.9	7.8	8.0	7.8	7.8	7.8	7.9	8.0	8.0	7.9	9.3	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	8.1	
42	<i>C. vicina</i> <sup>GB12</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	7.9	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.2	
43	<i>C. vicina</i> <sup>GB13</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.2	
44	<i>C. vicina</i> <sup>(GB14)</sup>	8.1	8.2	8.2	8.0	8.0	8.1	8.2	8.2	8.3	8.2	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	7.6	7.6	7.7	7.8	7.6	7.6	7.5	7.5	7.7	7.8	7.8	7.7	7.8	8.3	
45	<i>C. vicina</i> <sup>(GB15)</sup>	7.8	7.8	7.8	7.7	7.7	7.8	7.8	8.0	7.8	7.9	7.9	7.8	8.0	7.8	7.8	7.9	7.9	7.8	7.8	7.8	7.8	7.8	7.9	7.8	7.8	7.7	7.7	7.8	7.7	7.8	7.8	7.9	8.0	
46	<i>C. vicina</i> <sup>*16</sup>	8.1	8.2	8.2	8.0	8.0	8.1	8.2	8.2	8.3	8.2	8.1	8.2	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	7.8	7.8	7.9	7.8	7.8	7.7	7.7	7.8	7.8	7.8	7.9	7.8	8.3	
47	<i>C. vicina</i> <sup>GB17</sup>	7.9	8.0	8.0	7.8	7.8	7.9	8.0	8.0	8.2	8.0	7.9	8.1	7.9	7.9	8.0	8.1	8.1	8.0	8.0	7.6	7.6	7.8	7.6	7.6	7.5	7.5	7.7	7.7	7.6	7.6	7.8	7.7	8.2	
48	<i>C. vicina</i> <sup>GB18</sup>	7.9	8.0	8.0	7.8	7.8	7.9	8.0	8.0	8.2	8.0	7.9	8.1	7.9	7.9	8.0	8.1	8.1	8.0	8.0	7.6	7.6	7.8	7.6	7.6	7.5	7.5	7.7	7.7	7.6	7.6	7.8	7.7	8.2	
49	<i>C. vicina</i> <sup>GB19</sup>	8.1	8.2	8.2	8.0	8.0	8.1	8.2	8.2	8.3	8.2	8.1	8.2	8.1	8.1	8.1	8.2	8.2	8.2	8.2	7.8	7.8	7.9	7.8	7.8	7.7	7.7	7.8	7.8	7.8	7.8	7.9	7.8	8.3	
50	<i>C. vicina</i> <sup>GB20</sup>	8.1	8.2	8.2	8.0	8.0	8.1	8.0	8.2	8.3	8.2	8.1	8.2	8.1	8.1	8.1	8.2	8.2	8.2	8.2	7.8	7.8	7.9	7.8	7.8	7.7	7.7	7.8	7.8	7.8	7.8	7.9	7.8	8.3	
51	<i>C. vicina</i> <sup>GB21</sup>	8.1	8.2	8.2	8.0	8.0	8.1	8.2	8.2	8.3	8.2	8.1	8.2	8.1	8.1	8.1	8.2	8.2	8.2	8.2	7.8	7.8	7.9	7.8	7.8	7.7	7.7	7.8	7.8	7.8	7.8	7.9	7.8	8.3	
52	<i>C. vicina</i> <sup>GB22</sup>	8.1	8.2	8.2	8.0	8.0	8.1	8.2	8.2	8.3	8.2	8.1	8.2	8.1	8.1	8.1	8.2	8.2	8.2	8.2	7.6	7.6	7.8	7.6	7.6	7.5	7.5	7.7	7.8	7.8	7.7	7.8	7.8	8.3	
53	<i>C. vicina</i> <sup>(GB23)</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.8	7.8	8.0	7.8	7.8	7.8	7.8	7.8	7.9	7.8	7.8	8.0	7.9	8.2	
54	<i>C. vicina</i> <sup>(GB24)</sup>	7.8	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.6	8.2	
55	<i>C. vicina</i> <sup>*25</sup>	8.2	8.2	8.2	8.1	8.1	8.2	8.2	8.2	8.4	8.2	8.2	8.3	8.2	8.2	8.2	8.3	8.3	8.2	8.2	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.9	7.8	7.8	7.8	7.9	8.4	
56	<i>C. vicina</i> <sup>GB26</sup>	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.9	8.1	7.9	7.8	8.0	7.8	7.8	7.8	7.9	8.0	8.0	7.9	7.9	7.5	7.5	7.7	7.5	7.5	7.5	7.5	7.6	7.6	7.5	7.5	7.7	7.6	8.1
57	<i>C. vicina</i> <sup>GB27</sup>	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.9	8.1	7.9	7.8	8.0	7.8	7.8	7.8	7.9	8.0	8.0	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.1	
58	<i>C. vicina</i> <sup>GB28</sup>	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.9	8.1	7.9	7.8	8.0	7.8	7.8	7.8	7.9	8.0	8.0	8.1	7.5	7.5	7.7	7.5	7.5	7.5	7.5	7.6	7.8	7.7	7.6	7.7	7.8	8.1	
59	<i>C. vicina</i> <sup>GB29</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.2	
60	<i>C. vicina</i> <sup>GB30</sup>	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.9	8.1	7.9	7.8	8.0	7.8	7.8	7.8	7.9	8.0	8.0	7.9	7.9	7.8	7.8	8.0	7.8	7.8	7.8	7.8	7.9	7.9	7.8	7.8	8.0	7.9	8.1
61	<i>C. vicina</i> <sup>GB31</sup>	8.1	8.2	8.2	8.0	8.0	8.1	8.2	8.2	8.3	8.2	8.1	8.2	8.1	8.1	8.1	8.2	8.2	8.2	8.2	7.6	7.6	7.8	7.6	7.6	7.5	7.5	7.7	7.8	7.8	7.7	7.8	7.8	8.3	
62	<i>C. vicina</i> <sup>GB32</sup>	8.0	8.1	8.1	7.9	7.9	8.0	8.1	8.1	8.2	8.1	8.0	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.1	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.8	8.2	
63	<i>C. vicina</i> <sup>GB33</sup>	7.9	8.2	8.2	8.0	8.0	8.1	8.2	8.2	8.1	8.2	8.1	8.2	8.1	8.1	8.1	8.2	8.2	8.2	8.2	7.8	7.8	7.9	7.8	7.8	7.7	7.7	7.8	7.8	7.8	7.9	7.7	8.3		
64	<i>C. vicina</i> <sup>GB34</sup>	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.9	8.3	7.9	7.8	8.0	7.8	7.8	7.8	7.9	8.0	8.0	7.9	7.9	7.7	7.7	7.7	7.7	7.6	7.6	7.8	7.9	7.8	7.8	7.9	8.1		
65	<i>C. vicina</i> <sup>GB35</sup>	8.1	8.2	8.2	8.0	8.0	8.1	8.2	8.2	8.3	8.2	8.1	8.2	8.1	8.1	8.1	8.2	8.2	8.2	8.2	7.5	7.5	7.6	7.5	7.5	7.4	7.4	7.5	7.7	7.6	7.5	7.6	7.7	8.3	
66	<i>C. vicina</i> <sup>GB36</sup>	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.9	8.1	7.9	7.8	8.0	7.8	7.8	7.9	8.0	8.0	7.9	7.9	7.4	7.4	7.5	7.4	7.4	7.3	7.3	7.5	7.6	7.5	7.5	7.5	7.6	8.1	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

**Material suplementario / Supplementary material**

**Table S40.** (Continued)

	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	
67 <i>C. vomitoria</i> <sup>GB1</sup>	7.1	7.2	7.4	7.2	7.2	7.3	7.2	7.2	7.5	7.4	7.3	7.3	7.3	7.3	7.4	7.5	7.5	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.4	7.3	7.3	7.4	7.4	7.5	7.3	7.5	
68 <i>C. vomitoria</i> <sup>GB2</sup>	7.1	7.1	7.3	7.1	7.1	7.2	7.1	7.1	7.5	7.3	7.2	7.2	7.2	7.2	7.3	7.4	7.4	7.3	7.3	7.5	7.5	7.5	7.5	7.5	7.4	7.5	7.5	7.4	7.5	7.5	7.6	7.4	7.5		
69 <i>L. sericata</i> <sup>GB1</sup>	5.5	5.4	5.4	5.6	5.6	5.7	5.6	5.6	5.6	5.5	5.5	5.7	5.7	5.3	5.5	5.6	5.5	5.7	5.7	5.6	5.8	5.8	5.8	6.0	6.0	5.9	5.7	5.7	5.9	5.7	5.9	6.0	5.6		
70 <i>L. sericata</i> <sup>GB2</sup>	5.6	5.5	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.7	5.8	5.4	5.6	5.7	5.6	5.7	5.8	5.7	5.7	5.7	5.9	5.9	5.8	5.7	5.8	6.0	5.7	5.8	6.1	5.7		
71 <i>L. sericata</i> <sup>GB3</sup>	5.6	5.5	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.7	5.8	5.4	5.6	5.7	5.6	5.7	5.8	5.7	5.9	5.9	5.9	6.0	6.0	6.0	5.8	5.8	5.8	6.0	5.7	6.0	6.1	5.7
72 <i>L. sericata</i> <sup>GB4</sup>	5.6	5.5	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.7	5.8	5.4	5.6	5.7	5.6	5.7	5.8	5.7	5.9	5.9	6.0	6.0	6.0	5.8	5.8	5.8	6.0	5.7	6.0	6.0	5.7	
73 <i>L. sericata</i> <sup>GB5</sup>	5.4	5.5	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.4	5.6	5.8	5.4	5.6	5.7	5.6	5.7	5.8	5.7	5.9	5.9	6.0	6.0	6.0	5.8	5.8	5.8	6.0	5.7	6.0	6.1	5.7	
74 <i>L. sericata</i> <sup>GB6</sup>	5.6	5.5	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.7	5.8	5.4	5.6	5.7	5.6	5.7	5.8	5.7	5.9	5.9	6.0	6.0	6.0	5.8	5.8	5.8	6.0	5.7	6.0	6.1	5.7	
75 <i>L. sericata</i> <sup>GB7</sup>	5.4	5.3	5.3	5.5	5.5	5.6	5.5	5.5	5.5	5.4	5.4	5.6	5.7	5.3	5.4	5.5	5.4	5.6	5.7	5.5	5.7	5.7	5.7	5.9	5.9	5.8	5.7	5.8	5.7	5.8	5.6	5.8	6.0	5.5	
76 <i>L. sericata</i> <sup>GB8</sup>	5.5	5.6	5.6	5.7	5.7	5.8	5.7	5.7	5.7	5.7	5.5	5.7	5.9	5.5	5.7	5.7	5.7	5.8	5.9	5.7	6.0	6.0	6.1	6.1	6.0	5.9	5.9	5.9	6.0	5.8	6.0	6.2	5.7		
77 <i>L. sericata</i> <sup>GB9</sup>	5.5	5.6	5.4	5.6	5.6	5.7	5.6	5.6	5.7	5.5	5.5	5.7	5.7	5.5	5.7	5.7	5.7	5.8	5.9	5.7	5.7	5.7	6.0	6.1	6.1	6.0	5.9	5.6	5.6	5.7	5.5	5.7	5.9	5.7	
78 <i>L. sericata</i> <sup>GB10</sup>	5.7	5.6	5.6	5.7	5.7	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.8	5.9	5.5	5.7	5.7	5.8	5.9	5.7	6.0	6.0	6.1	6.1	6.0	5.9	5.9	5.9	6.0	5.8	6.0	6.2	5.7		
79 <i>L. cuprina</i> <sup>GB1</sup>	5.6	5.5	5.5	5.5	5.5	5.6	5.5	5.5	5.7	5.6	5.6	5.6	5.7	5.4	5.4	5.5	5.4	5.6	5.7	5.5	5.7	5.7	5.7	5.9	5.9	5.8	5.7	5.7	5.8	6.0	5.7	5.8	6.1	5.7	
80 <i>L. cuprina</i> <sup>GB2</sup>	5.7	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.5	5.5	5.6	5.5	5.7	5.7	5.6	5.8	5.8	6.0	6.0	5.9	5.7	5.7	5.9	6.0	5.7	5.9	6.2	5.7		
81 <i>L. cuprina</i> <sup>GB3</sup>	5.6	5.5	5.5	5.5	5.5	5.6	5.5	5.5	5.7	5.6	5.6	5.6	5.7	5.4	5.4	5.5	5.4	5.6	5.7	5.5	5.9	5.9	5.9	6.0	6.0	6.0	5.8	5.8	6.0	5.7	6.0	6.1	5.7		
82 <i>L. cuprina</i> <sup>GB4</sup>	5.9	6.0	5.8	5.8	5.8	5.9	6.0	6.0	6.1	5.9	6.0	6.0	6.0	6.0	6.0	6.1	6.0	6.2	6.1	6.0	5.9	6.0	5.9	6.0	5.9	6.0	5.8	5.8	6.0	5.8	6.0	6.0	6.3		
83 <i>L. cuprina</i> <sup>GB5</sup>	5.8	6.0	5.9	5.9	5.9	6.0	6.0	6.0	6.2	6.0	6.0	6.0	6.0	6.1	6.1	6.2	6.1	6.3	6.2	6.0	6.0	6.1	6.0	6.0	6.1	5.9	5.9	6.0	5.9	6.0	6.0	6.0	6.4		
84 <i>L. cuprina</i> <sup>GB6</sup>	5.9	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.3	6.0	6.0	6.0	6.1	6.2	6.2	6.3	6.2	6.4	6.3	6.1	6.0	6.2	6.0	6.0	6.2	6.0	6.0	6.0	6.1	6.0	6.1	6.1	6.4		
85 <i>L. cuprina</i> <sup>GB7</sup>	5.9	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.3	6.0	6.0	6.0	6.1	6.2	6.2	6.3	6.2	6.4	6.3	6.1	6.0	6.2	6.0	6.0	6.2	6.0	6.0	6.1	6.0	6.1	6.0	6.1	6.4		
86 <i>L. cuprina</i> <sup>GB8</sup>	5.7	6.0	6.0	5.8	5.8	5.9	6.0	6.0	6.1	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.2	6.2	6.1	6.1	5.9	6.0	5.9	6.0	5.8	5.8	6.0	5.8	6.0	5.9	6.0	6.0	6.3		
87 <i>L. cuprina</i> <sup>GB9</sup>	5.8	6.0	6.0	5.9	5.9	6.0	6.0	6.0	6.2	6.0	6.0	6.0	6.0	6.1	6.1	6.2	6.3	6.3	6.2	6.2	6.0	6.1	6.0	6.1	5.9	5.9	6.0	5.9	6.0	6.0	6.0	6.0	6.4		
88 <i>L. ampullacea</i> <sup>GB1</sup>	5.0	4.8	4.9	4.8	4.8	4.7	4.8	4.8	4.8	4.6	4.9	4.9	4.9	4.7	4.7	4.8	4.9	4.9	4.9	4.8	4.9	5.0	4.9	4.9	4.9	4.9	4.8	4.9	4.9	4.9	5.0	4.9	4.8		
89 <i>L. ampullacea</i> <sup>GB2</sup>	5.0	4.8	4.9	4.8	4.8	4.7	4.8	4.8	4.8	4.6	4.9	4.9	4.9	4.7	4.7	4.8	4.9	4.9	4.9	4.8	4.9	5.0	4.9	4.9	4.9	4.9	4.8	4.9	4.9	4.9	4.9	5.0	4.9	4.8	
90 <i>L. ampullacea</i> <sup>GB3</sup>	5.0	4.8	4.9	4.8	4.8	4.6	4.6	4.6	4.8	4.6	4.9	4.7	4.7	4.6	4.6	4.7	4.7	4.8	4.8	4.9	5.0	4.9	4.9	4.9	4.9	4.8	4.9	4.9	4.9	4.9	5.0	4.9	4.6		
91 <i>L. caesar</i> <sup>*1</sup>	0.2	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.9	1.0	1.0	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.8	1.6	2.0	1.8	2.0	1.6	1.7	2.0	1.1	
92 <i>L. caesar</i> <sup>*2</sup>	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.8	0.9	0.9	1.0	1.0	1.8	2.0	1.8	1.8	1.8	1.9	1.7	2.0	1.7	1.9	1.6	1.8	1.9	1.0	
93 <i>L. caesar</i> <sup>*3</sup>	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.2	1.8	2.0	1.8	1.8	1.8	1.9	1.7	2.0	1.9	2.0	1.6	1.8	2.0	1.0	
94 <i>L. caesar</i> <sup>*4</sup>	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.2	1.6	1.8	1.6	1.6	1.6	1.7	1.6	1.9	1.7	1.9	1.5	1.6	1.9	1.2	
95 <i>L. caesar</i> <sup>GB5</sup>	0.3	0.4	0.4	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.5	0.6	0.5	0.6	0.8	0.8	0.9	0.9	1.0	1.0	1.8	2.0	1.8	1.8	1.8	1.9	1.7	2.0	1.9	2.0	1.6	1.8	2.0	1.0
96 <i>L. caesar</i> <sup>*6</sup>	0.2	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.9	0.9	1.0	1.0	1.1	1.1	1.9	2.0	1.9	1.9	1.9	2.0	1.8	2.1	1.8	2.0	1.6	1.9	2.0	1.1	
97 <i>L. caesar</i> <sup>*7</sup>	0.2	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.3	1.7	1.9	1.7	1.7	1.7	1.8	1.6	2.0	1.8	2.0	1.6	1.7	2.0	1.3	
98 <i>L. caesar</i> <sup>*8</sup>	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.8	0.9	0.9	0.9	0.9	1.0	1.9	2.0	1.9	1.9	1.9	2.0	1.8	2.1	1.8	2.0	1.6	1.9	2.0	0.9	
99 <i>L. caesar</i> <sup>GB9</sup>	0.4	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.5	0.5	0.5	0.4	0.5	0.7	0.7	0.8	0.9	0.9	0.9	0.9	1.7	1.9	1.7	1.7	1.7	1.8	1.6	2.0	1.8	2.0	1.6	1.7	2.0	0.9	

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.



Material suplementario / Supplementary material

Table S40. (Continued)

	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133
100 <i>L. caesar</i> <sup>*10</sup>	—	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.2	2.0	2.1	2.0	2.0	2.0	2.0	1.9	2.2	1.9	2.0	1.7	2.0	1.9	1.2
101 <i>L. caesar</i> <sup>*11</sup>	5	—	0.3	0.5	0.3	0.4	0.5	0.5	0.3	0.5	0.5	0.5	0.7	0.5	0.7	0.8	0.9	0.9	0.9	0.9	1.9	2.0	1.9	1.9	1.9	2.0	1.8	2.1	1.8	2.0	1.6	1.9	2.0	0.9
102 <i>L. caesar</i> <sup>*12</sup>	5	4	—	0.5	0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.9	0.9	0.9	1.0	1.1	0.9	1.9	2.0	1.9	1.9	2.0	1.8	2.1	1.8	2.0	1.6	1.9	2.0	1.1	
103 <i>L. caesar</i> <sup>GB13</sup>	5	6	6	—	0.3	0.2	0.3	0.3	0.5	0.5	0.7	0.4	0.7	0.7	0.8	0.9	0.9	0.9	0.9	0.9	2.0	2.2	2.0	2.0	2.1	2.0	2.3	2.0	2.1	1.8	2.0	2.1	0.9	
104 <i>L. caesar</i> <sup>GB14</sup>	5	4	2	4	—	0.2	0.3	0.3	0.5	0.5	0.5	0.4	0.5	0.7	0.7	0.8	0.9	0.9	0.9	0.9	1.9	2.0	1.9	1.9	1.9	2.0	1.8	2.1	1.8	2.0	1.6	1.9	2.0	0.9
105 <i>L. caesar</i> <sup>*15</sup>	6	5	5	3	3	—	0.1	0.1	0.4	0.4	0.6	0.2	0.5	0.6	0.5	0.6	0.6	0.7	0.9	2.0	2.1	2.0	2.0	2.0	2.0	1.9	2.2	1.9	2.0	1.7	2.0	2.0	0.7	
106 <i>L. caesar</i> <sup>GB16</sup>	7	6	6	4	4	1	—	0.0	0.5	0.5	0.5	0.1	0.5	0.7	0.5	0.6	0.7	0.7	0.8	0.9	2.0	2.2	2.0	2.0	2.1	2.0	2.3	2.0	2.1	1.8	2.0	2.1	0.8	
107 <i>L. caesar</i> <sup>*16</sup>	7	6	6	4	4	1	0	—	0.5	0.5	0.5	0.1	0.5	0.7	0.5	0.6	0.7	0.7	0.8	0.9	2.0	2.2	2.0	2.0	2.1	2.0	2.3	2.0	2.1	1.8	2.0	2.1	0.8	
108 <i>L. caesar</i> <sup>*17</sup>	7	4	6	6	6	5	6	6	—	0.5	0.7	0.5	0.9	0.4	0.5	0.5	0.5	0.5	0.6	0.6	2.0	2.2	2.0	2.0	2.1	2.0	2.3	2.0	2.1	1.8	2.0	2.1	0.6	
109 <i>L. caesar</i> <sup>*18</sup>	7	6	6	6	6	5	6	6	6	—	0.7	0.5	0.5	0.7	0.9	0.9	1.0	1.0	1.1	1.1	1.9	2.0	1.9	1.9	1.9	2.0	1.8	2.1	1.8	2.0	1.6	1.9	2.0	1.1
110 <i>L. caesar</i> <sup>*19</sup>	6	7	7	9	7	8	7	7	9	9	—	0.5	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.2	1.8	2.0	1.8	1.8	1.8	1.9	1.7	2.0	1.9	1.9	1.6	2.0	1.9	1.2
111 <i>L. caesar</i> <sup>*20</sup>	6	7	7	5	5	2	1	1	7	7	6	—	0.6	0.8	0.6	0.7	0.8	0.8	0.9	1.0	2.1	2.3	2.1	2.1	2.1	2.2	2.0	2.4	2.0	2.2	1.9	2.1	2.2	0.9
112 <i>L. caesar</i> <sup>*21</sup>	10	9	9	9	7	6	7	7	11	7	10	8	—	0.8	0.6	0.7	0.8	0.8	0.9	1.0	1.8	2.0	1.8	1.8	1.8	1.9	1.7	2.0	1.7	1.9	1.6	2.0	1.9	0.9
113 <i>L. caesar</i> <sup>*22</sup>	10	7	9	9	9	8	9	9	5	9	10	10	—	0.2	0.2	0.3	0.3	0.4	0.4	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.2	1.9	2.0	1.8	2.1	2.0	0.4	
114 <i>L. caesar</i> <sup>*23</sup>	12	9	11	9	9	6	7	7	7	11	12	8	8	2	—	0.1	0.2	0.2	0.2	0.2	2.1	2.1	2.1	2.1	2.1	2.2	2.0	2.4	2.0	2.2	2.0	2.3	2.2	0.2
115 <i>L. caesar</i> <sup>*24</sup>	13	10	12	10	10	7	8	8	6	12	13	9	9	3	1	—	0.1	0.1	0.2	0.3	2.2	2.2	2.2	2.2	2.2	2.3	2.1	2.4	2.1	2.3	2.0	2.4	2.3	0.2
116 <i>L. caesar</i> <sup>*25</sup>	14	11	11	11	11	8	9	9	7	13	14	10	10	4	2	1	—	0.2	0.2	0.2	2.3	2.3	2.3	2.3	2.3	2.4	2.2	2.5	2.2	2.4	2.1	2.4	2.4	0.2
117 <i>L. caesar</i> <sup>GB26</sup>	14	11	13	11	11	8	9	9	7	13	14	10	10	4	2	1	2	—	0.2	0.4	2.3	2.3	2.3	2.3	2.4	2.2	2.5	2.2	2.4	2.1	2.4	2.4	0.2	
118 <i>L. caesar</i> <sup>*27</sup>	15	12	14	12	12	9	10	10	8	14	15	11	11	5	3	2	3	3	—	0.3	2.2	2.2	2.2	2.2	2.3	2.1	2.4	2.1	2.3	2.0	2.4	2.3	0.3	
119 <i>L. caesar</i> <sup>*28</sup>	15	12	12	12	12	11	12	12	8	14	15	13	13	5	5	4	3	5	4	—	2.2	2.2	2.2	2.2	2.2	2.3	2.1	2.4	2.1	2.3	2.0	2.4	2.3	0.5
120 <i>L. caesar</i> <sup>GB29</sup>	25	24	24	26	24	25	26	26	26	24	23	27	23	25	27	28	29	29	28	28	—	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.4	2.4
121 <i>L. caesar</i> <sup>GB30</sup>	27	26	26	28	26	27	28	28	28	26	25	29	25	25	27	28	29	29	28	28	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	2.4
122 <i>L. illustris</i> <sup>*1</sup>	25	24	24	26	24	25	26	26	26	24	23	27	23	25	27	28	29	29	28	28	2	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	2.4
123 <i>L. illustris</i> <sup>GB2</sup>	25	24	24	26	24	25	26	26	26	24	23	27	23	25	27	28	29	29	28	28	2	2	2	—	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	2.4
124 <i>L. illustris</i> <sup>GB3</sup>	25	24	24	26	24	25	26	26	26	24	23	27	23	25	27	28	29	29	28	28	2	2	2	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	2.4
125 <i>L. illustris</i> <sup>GB4</sup>	26	25	25	27	25	26	27	27	27	25	24	28	24	26	28	29	30	29	29	29	3	3	3	1	3	—	0.3	0.3	0.3	0.3	0.3	0.4	0.3	2.4
126 <i>L. illustris</i> <sup>GB5</sup>	24	23	23	25	23	24	25	25	25	23	22	26	22	24	26	27	28	28	27	27	1	3	3	3	3	4	—	0.3	0.3	0.3	0.2	0.2	0.5	2.3
127 <i>L. illustris</i> <sup>GB6</sup>	28	27	27	29	27	28	29	29	29	27	26	30	26	28	30	31	32	32	31	31	3	3	3	3	4	4	—	0.3	0.3	0.3	0.4	0.5	2.6	
128 <i>L. illustris</i> <sup>GB7</sup>	24	23	23	25	23	24	25	25	25	23	24	26	22	24	26	27	28	28	27	27	3	3	3	3	4	4	4	4	—	0.2	0.2	0.4	0.3	2.3
129 <i>L. illustris</i> <sup>GB8</sup>	26	25	25	27	25	26	27	27	27	25	24	28	24	26	28	29	30	30	29	29	3	3	3	3	3	4	4	4	2	—	0.2	0.4	0.3	2.4
130 <i>L. illustris</i> <sup>GB9</sup>	22	21	21	23	21	22	23	23	23	21	20	24	20	23	25	26	27	27	26	26	1	3	3	3	4	2	4	3	3	—	0.2	0.4	2.2	
131 <i>L. illustris</i> <sup>GB10</sup>	25	24	24	26	24	25	26	26	26	24	25	27	25	27	29	30	31	31	30	30	2	4	4	4	4	5	3	5	5	5	3	—	0.5	2.5
132 <i>L. illustris</i> <sup>GB11</sup>	24	25	25	27	25	26	27	27	27	25	24	28	24	26	28	29	30	30	29	29	5	5	5	3	5	4	6	6	4	4	5	7	—	2.4
133 <i>L. illustris</i> <sup>GB12</sup>	15	12	14	12	12	9	10	10	8	14	15	11	11	5	3	2	3	3	4	6	30	30	30	30	30	31	29	33	29	31	28	32	31	—

<sup>1</sup> Species with haplotypes HI; <sup>2</sup> Species with haplotypes HII; <sup>3</sup> Species with haplotypes HIII; <sup>4</sup> Species with haplotypes HIV; <sup>5</sup> Species with haplotypes HV; <sup>6</sup> Species with haplotypes HVI; <sup>7</sup> Species with haplotypes HVII; <sup>8</sup> Species with haplotypes HVIII; <sup>9</sup> Species with haplotypes HIX; <sup>10</sup> Species with haplotypes HX; <sup>11</sup> Species with haplotypes HXI; <sup>12</sup> Species with haplotypes HXII; <sup>13</sup> Species with haplotypes HXIII; <sup>14</sup> Species with haplotypes HXIV; <sup>15</sup> Species with haplotypes HXV; <sup>16</sup> Species with haplotypes HXVI; <sup>17</sup> Species with haplotypes HXVII; <sup>18</sup> Species with haplotypes HXVIII; <sup>19</sup> Species with haplotypes HXIX; <sup>20</sup> Species with haplotypes HXX; <sup>21</sup> Species with haplotypes HXXI; <sup>22</sup> Species with haplotypes HXXII; <sup>23</sup> Species with haplotypes HXXIII; <sup>24</sup> Species with haplotypes HXXIV; <sup>25</sup> Species with haplotypes HXXV; <sup>26</sup> Species with haplotypes HXXVI; <sup>27</sup> Species with haplotypes HXXVII; <sup>28</sup> Species with haplotypes HXXVIII; <sup>29</sup> Species with haplotypes HXXIX; <sup>30</sup> Species with haplotypes HXXX; <sup>31</sup> Species with haplotypes HXXXI; <sup>32</sup> Species with haplotypes HXXXII; <sup>33</sup> Species with haplotypes HXXXIII; <sup>34</sup> Species with haplotypes HXXXIV; <sup>35</sup> Species with haplotypes HXXXV; <sup>36</sup> Species with haplotypes HXXXVI.

**Material suplementario / Supplementary material**

**CASE 1: ENTOMOLOGICAL EVIDENCE COLLECTION LOG SHEETS**

Case number: Case 1 Collected by: Private information  
 Location: Luxo (Araba, Spain) Data: 05/13/2011 Time: 17:00 h

**Specifications**

Type of animal: Wild (deer, wild boar, etc.)  Domestic (goat, sheep, cow, etc.)   
 Specify: Bovine (cow) Specie/variety: Pirenaic Origen: Basque Country  
 Estimation about: age: 23 months weight: 400 kg  
 Remarks: \_\_\_\_\_

Sex: Male  Female   
 Position of larvae on the corpse\*\*: Left side on the lumbar region  
 Evidence of wounds\*: Yes  No   
 Kind of Wound: \_\_\_\_\_  
 Degree of Infection: \_\_\_\_\_  
 Remarks: Presence of a warble under skin, characteristic of hypodermoses

**Collection Environment**

Outdoor: Forest  Field  Grassland   
 Others/Remarks: \_\_\_\_\_  
 Indoor: Stable  Livestock pavilion   
 Others/Remarks: \_\_\_\_\_  
 Heated: Yes  No   
 Open access outside: Yes  No

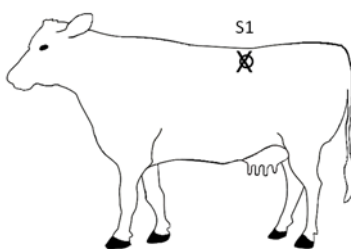
**Temperature and Climate**

Ambient temperature: 18°C Season: Springtime  
 Regional climate: Oceanic climate

\* Wounds (W): please mark the positions on the picture.

\*\* Larvae (L) or samples location (S1, S2, etc.): Please mark the positions on the picture.

Sample	Specimens number	Sample type	Preserve/Alive	Body location
1	1	<input type="checkbox"/> Eggs <input checked="" type="checkbox"/> Larva <input type="checkbox"/> Pupa	Alive	Lumbar region
2		<input type="checkbox"/> Eggs <input type="checkbox"/> Larva <input type="checkbox"/> Pupa		



**Material suplementario / Supplementary material**

**CASE 2: ENTOMOLOGICAL EVIDENCE COLLECTION LOG SHEETS**

Case number: Case 2

Collected by: Private information

Location: Guinea (Araba, Spain)

Data: 05/26/2011

Time: 21:00 h

**Specifications**

Type of animal: Wild (deer, wild boar, etc.)  Domestic (goat, sheep, cow, etc.)

Specify: Bovine (cow) Specie/variety: Crossbred Origen: Basque Country

Estimation about: age: 6 years weight: 400 kg

Remarks: \_\_\_\_\_

Sex: Male  Female

Position of larvae on the corpse\*\*: Rectal area, vagina, and vulva

Evidence of wounds\*: Yes  No

Kind of Wound: Vaginal prolapsed with ulcers and erosion in the vaginal mucosa

Degree of Infection: Low infection level

Remarks: \_\_\_\_\_

**Collection Environment**

Outdoor: Forest  Field  Grassland

Others/Remarks: Initially the cow was in the grassland

Indoor: Stable  Livestock pavilion

Others/Remarks: Rancher detected the vaginal prolapsed and took it to the stable to be treated

Heated: Yes  No

Open access outside: Yes  No

**Temperature and Climate**

Ambient temperature: 16°C

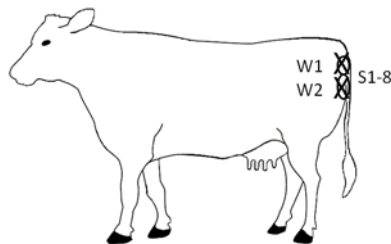
Season: Springtime

Regional climate: Sub-Mediterranean climate

\* Wounds (W): please mark the positions on the picture.

\*\* Larvae (L) or samples location (S1, S2, etc.): Please mark the positions on the picture.

Sample	Specimens number	Eggs	Larva	Pupa	Preserve/Alive	Body location
1	14	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Alive	Genital-anal area
2	20	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Alive	Genital-anal area
3	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Alive	Genital-anal area
4	11	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Alive	Genital-anal area
5	45	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Alive	Genital-anal area
6	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Alive	Genital-anal area
7	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Alive	Genital-anal area
8	12	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Alive	Genital-anal area



***Material suplementario / Supplementary material***

**CASE 3: ENTOMOLOGICAL EVIDENCE COLLECTION LOG SHEETS**

Case number: Case 3 Collected by: Private information  
 Location: Ozaeta (Araba, Spain) Data: 06/10/2011 Time: 14:35 h

**Specifications**

Type of animal: Wild (deer, wild boar, etc.)  Domestic (goat, sheep, cow, etc.)   
 Specify: Bovine (cow) Specie/variety: Crossbred Origen: Basque Country  
 Estimation about: age: 6 years weight: 550 kg  
 Remarks: \_\_\_\_\_

Sex: Male  Female   
 Position of larvae on the corpse\*\*: Wound on the heel of the right hind limb  
 Evidence of wounds\*: Yes  No   
 Kind of Wound: Podal infection  
 Degree of Infection: Severe infection with swelling and purulence  
 Remarks: Located in the phalange

**Collection Environment**

Outdoor: Forest  Field  Grassland   
 Others/Remarks: \_\_\_\_\_

Indoor: Stable  Livestock pavilion   
 Others/Remarks: \_\_\_\_\_

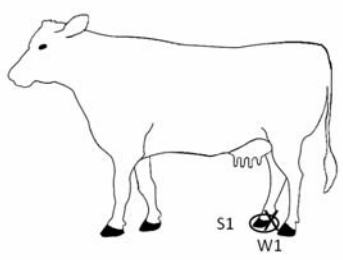
Heated: Yes  No   
 Open access outside: Yes  No

**Temperature and Climate**

Ambient temperature: 17°C Season: Springtime  
 Regional climate: Sub-Mediterranean climate

\* Wounds (W): please mark the positions on the picture.  
 \*\* Larvae (L) or samples location (S1, S2, etc.): Please mark the positions on the picture.

Sample	Specimens number	Sample type	Preserve/Alive	Body location
1	1	<input type="checkbox"/> Eggs <input checked="" type="checkbox"/> Larva <input type="checkbox"/> Pupa	Alive	Right hind limb heel
2		<input type="checkbox"/> Eggs <input type="checkbox"/> Larva <input type="checkbox"/> Pupa		



**Material suplementario / Supplementary material**

**CASE 4: ENTOMOLOGICAL EVIDENCE COLLECTION LOG SHEETS**

Case number: Case 4

Collected by: Private information

Location: Oiardo (Araba, Spain)

Data: 06/24/2011

Time: 15:30 h

**Specifications**

Type of animal: Wild (deer, wild boar, etc.)  Domestic (goat, sheep, cow, etc.)

Specify: Caprine (goat) Specie/variety: Crossbred Origen: Basque Country

Estimation about: age: 5 years weight: 60 kg

Remarks: \_\_\_\_\_

Sex: Male  Female

Position of larvae on the corpse\*\*: Wound in the left hind limb

Evidence of wounds\*: Yes  No

Kind of Wound: Open bone fracture

Degree of Infection: Severe infection with swelling and purulence

Remarks: \_\_\_\_\_

**Collection Environment**

Outdoor: Forest  Field  Grassland

Others/Remarks: \_\_\_\_\_

Indoor: Stable  Livestock pavilion

Others/Remarks: \_\_\_\_\_

Heated: Yes  No

Open access outside: Yes  No

**Temperature and Climate**

Ambient temperature: 28°C

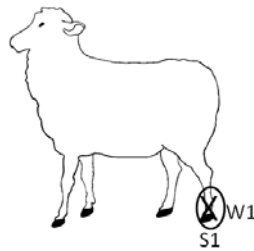
Season: Summertime

Regional climate: Sub-Oceanic climate

\* Wounds (W): please mark the positions on the picture.

\*\* Larvae (L) or samples location (S1, S2, etc.): Please mark the positions on the picture.

Sample	Specimens number	Sample type	Preserve/Alive	Body location
1	1	<input type="checkbox"/> Eggs <input checked="" type="checkbox"/> Larva <input type="checkbox"/> Pupa	Alive	Left hind limb
2		<input type="checkbox"/> Eggs <input type="checkbox"/> Larva <input type="checkbox"/> Pupa		



***Material suplementario / Supplementary material***

**CASE 5: ENTOMOLOGICAL EVIDENCE COLLECTION LOG SHEETS**

Case number: Case 5

Collected by: Private information

Location: Vitoria (Araba, Spain)

Data: 09/26/2011

Time: 12:30 h

***Specifications***

Type of animal: Wild (deer, wild boar, etc.)

Domestic (goat, sheep, cow, etc.)

Specify: Porcine (wild boar) Specie/variety: Sus scrofa

Origen: Basque country

Estimation about: age: Unknown

weight: Unknown

Remarks: \_\_\_\_\_

Sex: Male  Female

Position of larvae on the corpse\*\*: Tongue

Evidence of wounds\*: Yes  No

Kind of Wound: Ulcers in the surface

Degree of Infection: Low infection level

Remarks: Part of the tongue

***Collection Environment***

Outdoor: Forest  Field  Grassland

Others/Remarks: \_\_\_\_\_

Indoor: Stable  Livestock pavilion

Others/Remarks: \_\_\_\_\_

Heated: Yes  No

Open access outside: Yes  No

***Temperature and Climate***

Ambient temperature: 30°C

Season: Autumn

Regional climate: Sub-Mediterranean climate

\* Wounds (W): please mark the positions on the picture.

\*\* Larvae (L) or samples location (S1, S2, etc.): Please mark the positions on the picture.

Sample	Specimens number	Sample type	Preserve/Alive	Body location
1	6	<input type="checkbox"/> Eggs <input checked="" type="checkbox"/> Larva <input type="checkbox"/> Pupa	Alive	Tongue
2		<input type="checkbox"/> Eggs <input type="checkbox"/> Larva <input type="checkbox"/> Pupa		

**Material suplementario / Supplementary material**

**CASE 6: ENTOMOLOGICAL EVIDENCE COLLECTION LOG SHEETS**

Case number: Case 6

Collected by: Private information

Location: Retes de Llanteno (Araba, Spain)

Data: 09/26/2011

Time: 13:05 h

**Specifications**

Type of animal: Wild (deer, wild boar, etc.)  Domestic (goat, sheep, cow, etc.)

Specify: Bovine (cow) Specie/variety: Crossbred Origen: Basque Country

Estimation about: age: 3 years weight: 350 kg

Remarks: \_\_\_\_\_

Sex: Male  Female

Position of larvae on the corpse\*\*: In the back side, particularly in the base of the tail

Evidence of wounds\*: Yes  No

Kind of Wound: \_\_\_\_\_

Degree of Infection: \_\_\_\_\_

Remarks: Very irritated tissue that has started to ulcerate

**Collection Environment**

Outdoor: Forest  Field  Grassland

Others/Remarks: \_\_\_\_\_

Indoor: Stable  Livestock pavilion

Others/Remarks: \_\_\_\_\_

Heated: Yes  No

Open access outside: Yes  No

**Temperature and Climate**

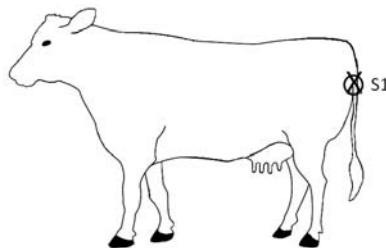
Ambient temperature: 28°C Season: Autumn

Regional climate: Oceanic climate

\* Wounds (W): please mark the positions on the picture.

\*\* Larvae (L) or samples location (S1, S2, etc.): Please mark the positions on the picture.

Sample	Specimens number	Sample type	Preserve/Alive	Body location
1	2	<input type="checkbox"/> Eggs <input checked="" type="checkbox"/> Larva <input type="checkbox"/> Pupa	Alive	Base of the tail
2		<input type="checkbox"/> Eggs <input type="checkbox"/> Larva <input type="checkbox"/> Pupa		



***Material suplementario / Supplementary material***

**CASE 7: ENTOMOLOGICAL EVIDENCE COLLECTION LOG SHEETS**

Case number: Case 7 Collected by: Private information  
 Location: Gibijo (Araba, Spain) Data: 10/20/2011 Time: 13:30 h  
**Specifications**  
 Type of animal: Wild (deer, wild boar, etc.)  Domestic (goat, sheep, cow, etc.)   
 Specify: Ovine (sheep) Specie/variety: Unknown Origen: Basque Country  
 Estimation about: age: 2 years weight: 30 kg

Remarks: \_\_\_\_\_  
 Sex: Male  Female   
 Position of larvae on the corpse\*\*: Lateral side of the body and hind hoof both in the left  
 Evidence of wounds\*: Yes  No   
 Kind of Wound: Shallow on the body, but deeper on the hoof  
 Degree of Infection: Severe infection in both wounds  
 Remarks: \_\_\_\_\_

**Collection Environment**

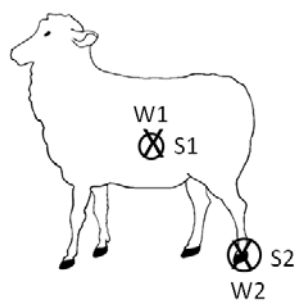
Outdoor: Forest  Field  Grassland   
 Others/Remarks: \_\_\_\_\_  
 Indoor: Stable  Livestock pavilion   
 Others/Remarks: \_\_\_\_\_  
 Heated: Yes  No   
 Open access outside: Yes  No

**Temperature and Climate**

Ambient temperature: 10°C Season: Autumn  
 Regional climate: Sub-Oceanic climate

\* Wounds (W): please mark the positions on the picture.  
 \*\* Larvae (L) or samples location (S1, S2, etc.): Please mark the positions on the picture.

Sample	Specimens number	Sample type	Preserve/Alive	Body location
1	6	<input type="checkbox"/> Eggs <input checked="" type="checkbox"/> Larva <input type="checkbox"/> Pupa	Alive	Left side half length
2	13	<input type="checkbox"/> Eggs <input checked="" type="checkbox"/> Larva <input type="checkbox"/> Pupa	Alive	Left hind hoof





**Material suplementario / Supplementary material**

**CASE 8: ENTOMOLOGICAL EVIDENCE COLLECTION LOG SHEETS**

Case number: Case 8

Collected by: Private information

Location: Oiardo (Araba, Spain)

Data: 10/22/2011

Time: 13:30 h

**Specifications**

Type of animal: Wild (deer, wild boar, etc.)  Domestic (goat, sheep, cow, etc.)

Specify: Bovine (cow) Specie/variety: Crossbred Origen: Basque Country

Estimation about: age: 4 years weight: 450 kg

Remarks: \_\_\_\_\_

Sex: Male  Female

Position of larvae on the corpse\*\*: In the back side, anal area

Evidence of wounds\*: Yes  No

Kind of Wound: \_\_\_\_\_

Degree of Infection: \_\_\_\_\_

Remarks: Hemorrhagic gastroenteritis, traces of blood and gastrointestinal mucosa

**Collection Environment**

Outdoor: Forest  Field  Grassland

Others/Remarks: Initially the cow was in the grassland

Indoor: Stable  Livestock pavilion

Others/Remarks: \_\_\_\_\_

Heated: Yes  No

Open access outside: Yes  No

**Temperature and Climate**

Ambient temperature: 20°C

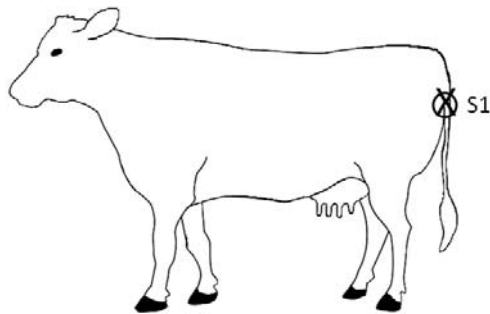
Season: Autumn

Regional climate: Sub-oceanic climate

\* Wounds (W): please mark the positions on the picture.

\*\* Larvae (L) or samples location (S1, S2, etc.): Please mark the positions on the picture.

Sample	Specimens number	Sample type	Preserve/Alive	Body location
1	12	<input type="checkbox"/> Eggs <input checked="" type="checkbox"/> Larva <input type="checkbox"/> Pupa	Alive	Anal area
2		<input type="checkbox"/> Eggs <input type="checkbox"/> Larva <input type="checkbox"/> Pupa		





Aportación / Contribution I.V

**Table S43.** Studied Calliphoridae sequences for the COI barcode-COI 616 bp [COI barcode, 658 bp (A); COI, 616 bp (B)], Cyt-b (307 bp) and ITS2 (310-343 bp) molecular markers. The table shows species, number of specimens (NS), accession number (AN), haplotypes or variants (H/Vt), submission date (SD), origin and locality.

Species	NS	COI barcode-COI 616 bp				Cyt-b			ITS2			Origin	Locality
		AN	HA	HB	SD	AN	H	SD	AN	Vt	SD		
<i>Ch. albiceps</i>	1	KJ394508	H1	H1	30-JAN-2014	KJ405478	H1	01-FEB-2014	KF825559	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	2	KJ394509	H1	H1	30-JAN-2014	KJ405479	H1	01-FEB-2014	KF825560	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	3	KJ394510	H1	H1	30-JAN-2014	KJ405480	H1	01-FEB-2014	KF825561	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	4	KJ394511	H1	H1	30-JAN-2014	KJ405481	H1	01-FEB-2014	KF825562	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
	5	KJ394512	H1	H1	30-JAN-2014	KJ405482	H1	01-FEB-2014	KF825563	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
	6	KJ394513	H1	H1	30-JAN-2014	KJ405483	H1	01-FEB-2014	KF825564	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
	7	KJ394514	H1	H2	30-JAN-2014	KJ405484	H1	01-FEB-2014	KF825565	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	8	KJ394515	H2	H1	30-JAN-2014	KJ405485	H1	01-FEB-2014	KF825566	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	9	KJ394516	H1	H1	30-JAN-2014	KJ405486	H1	01-FEB-2014	KF825567	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
	10	KJ394517	H1	H1	30-JAN-2014	KJ405487	H1	01-FEB-2014	KF825568	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
	11	KJ394518	H1	H1	30-JAN-2014	KJ405488	H1	01-FEB-2014	KF825569	Vt1	07-NOV-2013	Bizkaia	Durango (U)
	12	KJ394519	H1	H1	30-JAN-2014	KJ405489	H1	01-FEB-2014	KF825570	Vt1	07-NOV-2013	Bizkaia	Durango (U)
	13	KJ394520	H1	H1	30-JAN-2014	KJ405490	H1	01-FEB-2014	KF825571	Vt1	07-NOV-2013	Bizkaia	Durango (R)
	14	KJ394521	H1	H1	30-JAN-2014	KJ405491	H1	01-FEB-2014	KF825572	Vt1	07-NOV-2013	Bizkaia	Durango (R)
	15	KJ394522	H1	H1	30-JAN-2014	KJ405492	H1	01-FEB-2014	KF825573	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
	16	KJ394523	H1	H1	30-JAN-2014	KJ405493	H1	01-FEB-2014	KF825574	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
	17	KJ394524	H1	H1	30-JAN-2014	KJ405494	H1	01-FEB-2014	KF825575	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
	18	KJ394525	H1	H1	30-JAN-2014	KJ405495	H1	01-FEB-2014	KF825576	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
	19	KJ394526	H1	H1	30-JAN-2014	KJ405496	H1	01-FEB-2014	KF825577	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
	20	KJ394527	H1	H1	30-JAN-2014	KJ405497	H1	01-FEB-2014	KF825578	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
	21	KJ394528	H1	H1	30-JAN-2014	KJ405498	H1	01-FEB-2014	KF825579	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
	22	KJ394529	H1	H1	30-JAN-2014	KJ405499	H1	01-FEB-2014	KF825580	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
	23	KJ394530	H1	H2	30-JAN-2014	KJ405500	H1	01-FEB-2014	KF825581	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
	24	KJ394531	H1	H1	30-JAN-2014	KJ405501	H1	01-FEB-2014	KF825582	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
	25	KJ394532	H1	H1	30-JAN-2014	KJ405502	H1	01-FEB-2014	KF825583	Vt1	07-NOV-2013	Araba	Amurrio (U)
	26	KJ394533	H1	H1	30-JAN-2014	KJ405503	H1	01-FEB-2014	KF825584	Vt1	07-NOV-2013	Araba	Amurrio (R)
	27	KJ394534	H1	H1	30-JAN-2014	KJ405504	H1	01-FEB-2014	KF825585	Vt1	07-NOV-2013	Araba	Campezo (U)
	28	KJ394535	H1	H1	30-JAN-2014	KJ405505	H1	01-FEB-2014	KF825586	Vt1	07-NOV-2013	Araba	Campezo (U)
	29	KJ394536	H1	H1	30-JAN-2014	KJ405506	H1	01-FEB-2014	KF825587	Vt1	07-NOV-2013	Araba	Campezo (R)
	30	KJ394537	H1	H1	30-JAN-2014	KJ405507	H1	01-FEB-2014	KF825588	Vt1	07-NOV-2013	Araba	Campezo (R)
	31	KJ394538	H1	H1	30-JAN-2014	KJ405508	H1	01-FEB-2014	KF825589	Vt1	07-NOV-2013	Araba	Labastida (U)
	32	KJ394539	H1	H1	30-JAN-2014	KJ405509	H1	01-FEB-2014	KF825590	Vt1	07-NOV-2013	Araba	Labastida (U)
	33	KJ394540	H1	H1	30-JAN-2014	KJ405510	H1	01-FEB-2014	KF825591	Vt1	07-NOV-2013	Araba	Laguardia (U)
	34	KJ394541	H1	H1	30-JAN-2014	KJ405511	H1	01-FEB-2014	KF825592	Vt1	07-NOV-2013	Araba	Laguardia (U)
	35	KJ394542	H1	H1	30-JAN-2014	KJ405512	H1	01-FEB-2014	KF825593	Vt1	07-NOV-2013	Araba	Salvatierra (U)
	36	KJ394543	H1	H1	30-JAN-2014	KJ405513	H1	01-FEB-2014	KF825594	Vt1	07-NOV-2013	Araba	Salvatierra (U)
	37	KJ394544	H1	H1	30-JAN-2014	KJ405514	H1	01-FEB-2014	KF825595	Vt1	07-NOV-2013	Araba	Salvatierra (R)
	38	KJ394545	H1	H1	30-JAN-2014	KJ405515	H1	01-FEB-2014	KF825596	Vt1	07-NOV-2013	Araba	Sobrón (U)
	39	KJ394546	H3	H1	30-JAN-2014	KJ405516	H1	01-FEB-2014	KF825597	Vt1	07-NOV-2013	Araba	Sobrón (U)
	40	KJ394547	H1	H1	30-JAN-2014	KJ405517	H1	01-FEB-2014	KF825598	Vt1	07-NOV-2013	Araba	Sobrón (R)
	41	KJ394548	H1	H1	30-JAN-2014	KJ405518	H1	01-FEB-2014	KF825599	Vt1	07-NOV-2013	Araba	Sobrón (R)
	42	KJ394549	H1	H1	30-JAN-2014	KJ405519	H1	01-FEB-2014	KF825600	Vt1	07-NOV-2013	Araba	Vitoria (R)
	43	KJ394550	H1	H1	30-JAN-2014	KJ405520	H1	01-FEB-2014	KF825601	Vt1	07-NOV-2013	Araba	Vitoria (R)
	44	KJ394551	H1	H1	30-JAN-2014	KJ405521	H1	01-FEB-2014	KF825602	Vt1	07-NOV-2013	Gipuzkoa	Markina (U)
	45	KJ394552	H1	H1	30-JAN-2014	KJ405522	H1	01-FEB-2014	KF825603	Vt1	07-NOV-2013	Gipuzkoa	Markina (U)
	46	KJ394553	H1	H1	30-JAN-2014	KJ405523	H1	01-FEB-2014	KF825604	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
	47	KJ394554	H1	H1	30-JAN-2014	KJ405524	H1	01-FEB-2014	KF825605	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
	48	KJ394555	H1	H1	30-JAN-2014	KJ405525	H1	01-FEB-2014	KF825606	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	49	KJ394556	H1	H1	30-JAN-2014	KJ405526	H1	01-FEB-2014	KF825607	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	50	KJ394557	H1	H1	30-JAN-2014	KJ405527	H1	01-FEB-2014	KF825608	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	51	KJ394558	H1	H1	30-JAN-2014	KJ405528	H1	01-FEB-2014	KF825609	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	52	KJ394559	H1	H1	30-JAN-2014	KJ405529	H1	01-FEB-2014	KF825610	Vt1	07-NOV-2013	Bizkaia	Durango (U)
	53	KJ394560	H1	H1	30-JAN-2014	KJ405530	H1	01-FEB-2014	KF825611	Vt1	07-NOV-2013	Araba	Salvatierra (U)
	54	KJ394561	H1	H1	30-JAN-2014	KJ405531	H1	01-FEB-2014	KF825612	Vt1	07-NOV-2013	Araba	Salvatierra (U)
<i>C. vicina</i>	1	KJ394562	H32	H1	30-JAN-2014	KJ405532	H8	01-FEB-2014	KF825613	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	2	KJ394563	H1	H1	30-JAN-2014	KJ405533	H10	01-FEB-2014	KF825614	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	3	KJ394564	H2	H7	30-JAN-2014	KJ405534	H1	01-FEB-2014	KF825615	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
	4	KJ394565	H1	H1	30-JAN-2014	KJ405535	H1	01-FEB-2014	KF825616	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
5	KJ394566	H1	H1	30-JAN-2014	KJ405536	H1	01-FEB-2014	KF825617	Vt1	07-NOV-2013	Bizkaia	Bilbao (U)	

*Material suplementario / Supplementary material*

6	KJ394567	H15	H19	30-JAN-2014	KJ405537	H2	01-FEB-2014	KF825618	Vt1	07-NOV-2013	Bizkaia	Bilbao (U)
7	KJ394568	H1	H1	30-JAN-2014	KJ405538	H11	01-FEB-2014	KF825619	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
8	KJ394569	H1	H1	30-JAN-2014	KJ405539	H1	01-FEB-2014	KF825620	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
9	KJ394570	H1	H2	30-JAN-2014	KJ405540	H3	01-FEB-2014	KF825621	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
10	KJ394571	H1	H1	30-JAN-2014	KJ405541	H1	01-FEB-2014	KF825622	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
11	KJ394572	H16	H20	30-JAN-2014	KJ405542	H1	01-FEB-2014	KF825623	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
12	KJ394573	H1	H1	30-JAN-2014	KJ405543	H1	01-FEB-2014	KF825624	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
13	KJ394574	H1	H1	30-JAN-2014	KJ405544	H1	01-FEB-2014	KF825625	Vt1	07-NOV-2013	Bizkaia	Durango (U)
14	KJ394575	H1	H1	30-JAN-2014	KJ405545	H12	01-FEB-2014	KF825626	Vt1	07-NOV-2013	Bizkaia	Durango (U)
15	KJ394576	H17	H37	30-JAN-2014	KJ405546	H17	01-FEB-2014	KF825627	Vt1	07-NOV-2013	Bizkaia	Durango (R)
16	KJ394577	H1	H1	30-JAN-2014	KJ405547	H1	01-FEB-2014	KF825628	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
17	KJ394578	H1	H1	30-JAN-2014	KJ405548	H1	01-FEB-2014	KF825629	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
18	KJ394579	H18	H38	30-JAN-2014	KJ405549	H8	01-FEB-2014	KF825630	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
19	KJ394580	H1	H8	30-JAN-2014	KJ405550	H1	01-FEB-2014	KF825631	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
20	KJ394581	H1	H21	30-JAN-2014	KJ405551	H1	01-FEB-2014	KF825632	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
21	KJ394582	H1	H1	30-JAN-2014	KJ405552	H2	01-FEB-2014	KF825633	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
22	KJ394583	H1	H22	30-JAN-2014	KJ405553	H1	01-FEB-2014	KF825634	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
23	KJ394584	H19	H23	30-JAN-2014	KJ405554	H1	01-FEB-2014	KF825635	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
24	KJ394585	H20	H1	30-JAN-2014	KJ405555	H1	01-FEB-2014	KF825636	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
25	KJ394586	H3	H1	30-JAN-2014	KJ405556	H1	01-FEB-2014	KF825637	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
26	KJ394587	H1	H2	30-JAN-2014	KJ405557	H3	01-FEB-2014	KF825638	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
27	KJ394588	H33	H9	30-JAN-2014	KJ405558	H1	01-FEB-2014	KF825639	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
28	KJ394589	H21	H4	30-JAN-2014	KJ405559	H1	01-FEB-2014	KF825640	Vt1	07-NOV-2013	Araba	Amurrio (U)
29	KJ394590	H1	H1	30-JAN-2014	KJ405560	H1	01-FEB-2014	KF825641	Vt1	07-NOV-2013	Araba	Amurrio (U)
30	KJ394591	H1	H4	30-JAN-2014	KJ405561	H1	01-FEB-2014	KF825642	Vt1	07-NOV-2013	Araba	Amurrio (R)
31	KJ394592	H2	H4	30-JAN-2014	KJ405562	H1	01-FEB-2014	KF825643	Vt1	07-NOV-2013	Araba	Amurrio (R)
32	KJ394593	H1	H2	30-JAN-2014	KJ405563	H1	01-FEB-2014	KF825644	Vt1	07-NOV-2013	Araba	Campezo (U)
33	KJ394594	H1	H1	30-JAN-2014	KJ405564	H1	01-FEB-2014	KF825645	Vt1	07-NOV-2013	Araba	Campezo (U)
34	KJ394595	H7	H1	30-JAN-2014	KJ405565	H1	01-FEB-2014	KF825646	Vt1	07-NOV-2013	Araba	Labastida (U)
35	KJ394596	H3	H1	30-JAN-2014	KJ405566	H1	01-FEB-2014	KF825647	Vt1	07-NOV-2013	Araba	Labastida (U)
36	KJ394597	H7	H10	30-JAN-2014	KJ405567	H13	01-FEB-2014	KF825648	Vt1	07-NOV-2013	Araba	Labastida (U)
37	KJ394598	H1	H1	30-JAN-2014	KJ405568	H2	01-FEB-2014	KF825649	Vt1	07-NOV-2013	Araba	Labastida (U)
38	KJ394599	H22	H11	30-JAN-2014	KJ405569	H1	01-FEB-2014	KF825650	Vt1	07-NOV-2013	Araba	Labastida (R)
39	KJ394600	H4	H1	30-JAN-2014	KJ405570	H18	01-FEB-2014	KF825651	Vt1	07-NOV-2013	Araba	Labastida (R)
40	KJ394601	H23	H1	30-JAN-2014	KJ405571	H1	01-FEB-2014	KF825652	Vt1	07-NOV-2013	Araba	Laguardia (U)
41	KJ394602	H1	H42	30-JAN-2014	KJ405572	H19	01-FEB-2014	KF825653	Vt1	07-NOV-2013	Araba	Laguardia (U)
42	KJ394603	H1	H3	30-JAN-2014	KJ405573	H1	01-FEB-2014	KF825654	Vt1	07-NOV-2013	Araba	Laguardia (R)
43	KJ394604	H7	H1	30-JAN-2014	KJ405574	H1	01-FEB-2014	KF825655	Vt1	07-NOV-2013	Araba	Laguardia (R)
44	KJ394605	H1	H1	30-JAN-2014	KJ405575	H1	01-FEB-2014	KF825656	Vt1	07-NOV-2013	Araba	Salvatierra (U)
45	KJ394606	H1	H1	30-JAN-2014	KJ405576	H1	01-FEB-2014	KF825657	Vt1	07-NOV-2013	Araba	Salvatierra (R)
46	KJ394607	H2	H12	30-JAN-2014	KJ405577	H14	01-FEB-2014	KF825658	Vt1	07-NOV-2013	Araba	Sobrón (U)
47	KJ394608	H1	H24	30-JAN-2014	KJ405578	H1	01-FEB-2014	KF825659	Vt1	07-NOV-2013	Araba	Sobrón (U)
48	KJ394609	H4	H25	30-JAN-2014	KJ405579	H9	01-FEB-2014	KF825660	Vt1	07-NOV-2013	Araba	Sobrón (R)
49	KJ394610	H24	H1	30-JAN-2014	KJ405580	H1	01-FEB-2014	KF825661	Vt1	07-NOV-2013	Araba	Sobrón (R)
50	KJ394611	H25	H1	30-JAN-2014	KJ405581	H1	01-FEB-2014	KF825662	Vt1	07-NOV-2013	Araba	Vitoria (U)
51	KJ394612	H2	H1	30-JAN-2014	KJ405582	H1	01-FEB-2014	KF825663	Vt1	07-NOV-2013	Araba	Vitoria (U)
52	KJ394613	H1	H1	30-JAN-2014	KJ405583	H2	01-FEB-2014	KF825664	Vt1	07-NOV-2013	Araba	Vitoria (R)
53	KJ394614	H2	H13	30-JAN-2014	KJ405584	H1	01-FEB-2014	KF825665	Vt1	07-NOV-2013	Araba	Vitoria (R)
54	KJ394615	H3	H1	30-JAN-2014	KJ405585	H1	01-FEB-2014	KF825666	Vt1	07-NOV-2013	Gipuzkoa	Andoain (U)
55	KJ394616	H1	H1	30-JAN-2014	KJ405586	H1	01-FEB-2014	KF825667	Vt1	07-NOV-2013	Gipuzkoa	Andoain (U)
56	KJ394617	H2	H26	30-JAN-2014	KJ405587	H1	01-FEB-2014	KF825668	Vt1	07-NOV-2013	Gipuzkoa	Andoain (R)
57	KJ394618	H1	H1	30-JAN-2014	KJ405588	H1	01-FEB-2014	KF825669	Vt1	07-NOV-2013	Gipuzkoa	Andoain (R)
58	KJ394619	H8	H1	30-JAN-2014	KJ405589	H9	01-FEB-2014	KF825670	Vt1	07-NOV-2013	Gipuzkoa	Donostia (U)
59	KJ394620	H1	H27	30-JAN-2014	KJ405590	H1	01-FEB-2014	KF825671	Vt1	07-NOV-2013	Gipuzkoa	Donostia (U)
60	KJ394621	H26	H1	30-JAN-2014	KJ405591	H15	01-FEB-2014	KF825672	Vt1	07-NOV-2013	Gipuzkoa	Donostia (R)
61	KJ394622	H3	H14	30-JAN-2014	KJ405592	H1	01-FEB-2014	KF825673	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (U)
62	KJ394623	H1	H1	30-JAN-2014	KJ405593	H1	01-FEB-2014	KF825674	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (U)
63	KJ394624	H1	H1	30-JAN-2014	KJ405594	H1	01-FEB-2014	KF825675	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (R)
64	KJ394625	H9	H1	30-JAN-2014	KJ405595	H1	01-FEB-2014	KF825676	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (R)
65	KJ394626	H1	H1	30-JAN-2014	KJ405596	H2	01-FEB-2014	KF825677	Vt1	07-NOV-2013	Gipuzkoa	Markina (U)
66	KJ394627	H1	H1	30-JAN-2014	KJ405597	H2	01-FEB-2014	KF825678	Vt1	07-NOV-2013	Gipuzkoa	Markina (U)
67	KJ394628	H2	H1	30-JAN-2014	KJ405598	H4	01-FEB-2014	KF825679	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
68	KJ394629	H1	H3	30-JAN-2014	KJ405599	H1	01-FEB-2014	KF825680	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
69	KJ394630	H1	H1	30-JAN-2014	KJ405600	H1	01-FEB-2014	KF825681	Vt1	07-NOV-2013	Bizkaia	Bilbao (U)
70	KJ394631	H1	H1	30-JAN-2014	KJ405601	H4	01-FEB-2014	KF825682	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
71	KJ394632	H1	H1	30-JAN-2014	KJ405602	H1	01-FEB-2014	KF825683	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
72	KJ394633	H1	H1	30-JAN-2014	KJ405603	H1	01-FEB-2014	KF825684	Vt1	07-NOV-2013	Bizkaia	Durango (R)
73	KJ394634	H1	H1	30-JAN-2014	KJ405604	H1	01-FEB-2014	KF825685	Vt1	07-NOV-2013	Bizkaia	Durango (R)
74	KJ394635	H1	H1	30-JAN-2014	KJ405605	H5	01-FEB-2014	KF825686	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
75	KJ394636	H1	H1	30-JAN-2014	KJ405606	H1	01-FEB-2014	KF825687	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
76	KJ394637	H1	H1	30-JAN-2014	KJ405607	H1	01-FEB-2014	KF825688	Vt1	07-NOV-2013	Araba	Campezo (R)

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77	KJ394638	H1	H2	30-JAN-2014	KJ405608	H1	01-FEB-2014	KF825689	Vt1	07-NOV-2013	Araba	Campezo (R)
78	KJ394639	H1	H1	30-JAN-2014	KJ405609	H1	01-FEB-2014	KF825690	Vt1	07-NOV-2013	Araba	Laguardia (R)
79	KJ394640	H1	H3	30-JAN-2014	KJ405610	H1	01-FEB-2014	KF825691	Vt1	07-NOV-2013	Araba	Laguardia (R)
80	KJ394641	H10	H1	30-JAN-2014	KJ405611	H20	01-FEB-2014	KF825692	Vt1	07-NOV-2013	Araba	Salvatierra (U)
81	KJ394642	H1	H1	30-JAN-2014	KJ405612	H1	01-FEB-2014	KF825693	Vt1	07-NOV-2013	Araba	Salvatierra (U)
82	KJ394643	H2	H1	30-JAN-2014	KJ405613	H1	01-FEB-2014	KF825694	Vt1	07-NOV-2013	Araba	Salvatierra (R)
83	KJ394644	H27	H1	30-JAN-2014	KJ405614	H1	01-FEB-2014	KF825695	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (R)
1	KJ394645	H1	H1	30-JAN-2014	KJ405615	H1	01-FEB-2014	KF825696	Vt5	07-NOV-2013	Bizkaia	Bermeo (U)
2	KJ394646	H1	H2	30-JAN-2014	KJ405616	H1	01-FEB-2014	KF825697	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
3	KJ394647	H1	H2	30-JAN-2014	KJ405617	H2	01-FEB-2014	KF825698	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
4	KJ394648	H1	H1	30-JAN-2014	KJ405618	H1	01-FEB-2014	KF825699	Vt2	07-NOV-2013	Bizkaia	Bermeo (R)
5	KJ394649	H1	H3	30-JAN-2014	KJ405619	H2	01-FEB-2014	KF825700	Vt1	07-NOV-2013	Bizkaia	Bilbao (U)
6	KJ394650	H1	H1	30-JAN-2014	KJ405620	H2	01-FEB-2014	KF825701	Vt2	07-NOV-2013	Bizkaia	Bilbao (R)
7	KJ394651	H1	H1	30-JAN-2014	KJ405621	H1	01-FEB-2014	KF825702	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
8	KJ394652	H1	H1	30-JAN-2014	KJ405622	H1	01-FEB-2014	KF825703	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
9	KJ394653	H1	H1	30-JAN-2014	KJ405623	H1	01-FEB-2014	KF825704	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
10	KJ394654	H1	H1	30-JAN-2014	KJ405624	H1	01-FEB-2014	KF825705	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
11	KJ394655	H1	H1	30-JAN-2014	KJ405625	H1	01-FEB-2014	KF825706	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
12	KJ394656	H2	H2	30-JAN-2014	KJ405626	H2	01-FEB-2014	KF825707	Vt1	07-NOV-2013	Bizkaia	Durango (U)
13	KJ394657	H1	H1	30-JAN-2014	KJ405627	H2	01-FEB-2014	KF825708	Vt1	07-NOV-2013	Bizkaia	Durango (U)
14	KJ394658	H1	H1	30-JAN-2014	KJ405628	H1	01-FEB-2014	KF825709	Vt1	07-NOV-2013	Bizkaia	Durango (R)
15	KJ394659	H1	H1	30-JAN-2014	KJ405629	H1	01-FEB-2014	KF825710	Vt2	07-NOV-2013	Bizkaia	Durango (R)
16	KJ394660	H2	H2	30-JAN-2014	KJ405630	H2	01-FEB-2014	KF825711	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
17	KJ394661	H1	H1	30-JAN-2014	KJ405631	H2	01-FEB-2014	KF825712	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
18	KJ394662	H1	H1	30-JAN-2014	KJ405632	H1	01-FEB-2014	KF825713	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
19	KJ394663	H1	H1	30-JAN-2014	KJ405633	H3	01-FEB-2014	KF825714	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
20	KJ394664	H1	H1	30-JAN-2014	KJ405634	H1	01-FEB-2014	KF825715	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
21	KJ394665	H2	H2	30-JAN-2014	KJ405635	H2	01-FEB-2014	KF825716	Vt2	07-NOV-2013	Bizkaia	Ondarroa (U)
22	KJ394666	H1	H1	30-JAN-2014	KJ405636	H1	01-FEB-2014	KF825717	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
23	KJ394667	H1	H1	30-JAN-2014	KJ405637	H1	01-FEB-2014	KF825718	Vt3	07-NOV-2013	Bizkaia	Ondarroa (R)
24	KJ394668	H1	H1	30-JAN-2014	KJ405638	H1	01-FEB-2014	KF825719	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
25	KJ394669	H1	H1	30-JAN-2014	KJ405639	H1	01-FEB-2014	KF825720	Vt2	07-NOV-2013	Bizkaia	Otxandio (U)
26	KJ394670	H2	H2	30-JAN-2014	KJ405640	H2	01-FEB-2014	KF825721	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
27	KJ394671	H1	H1	30-JAN-2014	KJ405641	H1	01-FEB-2014	KF825722	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
28	KJ394672	H1	H1	30-JAN-2014	KJ405642	H1	01-FEB-2014	KF825723	Vt1	07-NOV-2013	Araba	Amurrio (U)
29	KJ394673	H1	H1	30-JAN-2014	KJ405643	H1	01-FEB-2014	KF825724	Vt3	07-NOV-2013	Araba	Amurrio (U)
30	KJ394674	H1	H1	30-JAN-2014	KJ405644	H1	01-FEB-2014	KF825725	Vt1	07-NOV-2013	Araba	Amurrio (R)
31	KJ394675	H2	H4	30-JAN-2014	KJ405645	H2	01-FEB-2014	KF825726	Vt1	07-NOV-2013	Araba	Amurrio (R)
32	KJ394676	H1	H1	30-JAN-2014	KJ405646	H1	01-FEB-2014	KF825727	Vt3	07-NOV-2013	Araba	Campezo (U)
33	KJ394677	H1	H1	30-JAN-2014	KJ405647	H1	01-FEB-2014	KF825728	Vt1	07-NOV-2013	Araba	Campezo (R)
34	KJ394678	H3	H2	30-JAN-2014	KJ405648	H2	01-FEB-2014	KF825729	Vt1	07-NOV-2013	Araba	Campezo (R)
35	KJ394679	H1	H1	30-JAN-2014	KJ405649	H1	01-FEB-2014	KF825730	Vt3	07-NOV-2013	Araba	Campezo (R)
36	KJ394680	H1	H1	30-JAN-2014	KJ405650	H1	01-FEB-2014	KF825731	Vt2	07-NOV-2013	Araba	Campezo (R)
37	KJ394681	H1	H1	30-JAN-2014	KJ405651	H1	01-FEB-2014	KF825732	Vt3	07-NOV-2013	Araba	Labastida (R)
38	KJ394682	H1	H1	30-JAN-2014	KJ405652	H1	01-FEB-2014	KF825733	Vt1	07-NOV-2013	Araba	Labastida (R)
39	KJ394683	H1	H1	30-JAN-2014	KJ405653	H1	01-FEB-2014	KF825734	Vt1	07-NOV-2013	Araba	Laguardia (U)
40	KJ394684	H1	H1	30-JAN-2014	KJ405654	H1	01-FEB-2014	KF825735	Vt1	07-NOV-2013	Araba	Laguardia (U)
41	KJ394685	H2	H2	30-JAN-2014	KJ405655	H2	01-FEB-2014	KF825736	Vt2	07-NOV-2013	Araba	Laguardia (R)
42	KJ394686	H1	H1	30-JAN-2014	KJ405656	H1	01-FEB-2014	KF825737	Vt2	07-NOV-2013	Araba	Laguardia (R)
43	KJ394687	H1	H1	30-JAN-2014	KJ405657	H1	01-FEB-2014	KF825738	Vt3	07-NOV-2013	Araba	Salvatierra (U)
44	KJ394688	H4	H1	30-JAN-2014	KJ405658	H1	01-FEB-2014	KF825739	Vt2	07-NOV-2013	Araba	Salvatierra (R)
45	KJ394689	H1	H1	30-JAN-2014	KJ405659	H1	01-FEB-2014	KF825740	Vt1	07-NOV-2013	Araba	Salvatierra (R)
46	KJ394690	H1	H1	30-JAN-2014	KJ405660	H1	01-FEB-2014	KF825741	Vt3	07-NOV-2013	Araba	Sobrón (U)
47	KJ394691	H1	H1	30-JAN-2014	KJ405661	H1	01-FEB-2014	KF825742	Vt1	07-NOV-2013	Araba	Sobrón (U)
48	KJ394692	H1	H1	30-JAN-2014	KJ405662	H1	01-FEB-2014	KF825743	Vt2	07-NOV-2013	Araba	Sobrón (R)
49	KJ394693	H1	H1	30-JAN-2014	KJ405663	H1	01-FEB-2014	KF825744	Vt1	07-NOV-2013	Araba	Sobrón (R)
50	KJ394694	H2	H2	30-JAN-2014	KJ405664	H2	01-FEB-2014	KF825745	Vt2	07-NOV-2013	Araba	Vitoria (U)
51	KJ394695	H1	H1	30-JAN-2014	KJ405665	H1	01-FEB-2014	KF825746	Vt1	07-NOV-2013	Araba	Vitoria (U)
52	KJ394696	H1	H1	30-JAN-2014	KJ405666	H1	01-FEB-2014	KF825747	Vt3	07-NOV-2013	Araba	Vitoria (R)
53	KJ394697	H1	H1	30-JAN-2014	KJ405667	H1	01-FEB-2014	KF825748	Vt3	07-NOV-2013	Araba	Vitoria (R)
54	KJ394698	H1	H1	30-JAN-2014	KJ405668	H1	01-FEB-2014	KF825749	Vt6	07-NOV-2013	Gipuzkoa	Andoain (R)
55	KJ394699	H1	H1	30-JAN-2014	KJ405669	H1	01-FEB-2014	KF825750	Vt1	07-NOV-2013	Gipuzkoa	Andoain (R)
56	KJ394700	H1	H1	30-JAN-2014	KJ405670	H1	01-FEB-2014	KF825751	Vt1	07-NOV-2013	Gipuzkoa	Donostia (U)
57	KJ394701	H1	H1	30-JAN-2014	KJ405671	H1	01-FEB-2014	KF825752	Vt1	07-NOV-2013	Gipuzkoa	Donostia (R)
58	KJ394702	H1	H1	30-JAN-2014	KJ405672	H1	01-FEB-2014	KF825753	Vt1	07-NOV-2013	Gipuzkoa	Donostia (R)
59	KJ394703	H1	H1	30-JAN-2014	KJ405673	H1	01-FEB-2014	KF825754	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (U)
60	KJ394704	H1	H1	30-JAN-2014	KJ405674	H1	01-FEB-2014	KF825755	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (U)
61	KJ394705	H1	H1	30-JAN-2014	KJ405675	H1	01-FEB-2014	KF825756	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (R)
62	KJ394706	H1	H1	30-JAN-2014	KJ405676	H1	01-FEB-2014	KF825757	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
63	KJ394707	H1	H1	30-JAN-2014	KJ405677	H1	01-FEB-2014	KF825758	Vt6	07-NOV-2013	Gipuzkoa	Markina (R)
64	KJ394708	H1	H1	30-JAN-2014	KJ405678	H1	01-FEB-2014	KF825759	Vt2	07-NOV-2013	Araba	Labastida (U)

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	65	KJ394709	H1	H1	30-JAN-2014	KJ405679	H1	01-FEB-2014	KF825760	Vt1	07-NOV-2013	Araba	Labastida (U)
	66	KJ394710	H2	H1	30-JAN-2014	KJ405680	H1	01-FEB-2014	KF825761	Vt2	07-NOV-2013	Araba	Salvatierra (R)
	67	KJ394711	H2	H1	30-JAN-2014	KJ405681	H1	01-FEB-2014	KF825762	Vt1	07-NOV-2013	Gipuzkoa	Markina (U)
<i>L. sericata</i>	1	KJ394771	H3	H1	30-JAN-2014	KJ405741	H1	01-FEB-2014	KF825822	Vt2	07-NOV-2013	Bizkaia	Bermeo (U)
	2	KJ394772	H1	H3	30-JAN-2014	KJ405742	H1	01-FEB-2014	KF825823	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	3	KJ394773	H1	H1	30-JAN-2014	KJ405743	H1	01-FEB-2014	KF825824	Vt1	07-NOV-2013	Bizkaia	Bilbao (U)
	4	KJ394774	H1	H1	30-JAN-2014	KJ405744	H1	01-FEB-2014	KF825825	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	5	KJ394775	H13	H4	30-JAN-2014	KJ405745	H1	01-FEB-2014	KF825826	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	6	KJ394776	H3	H5	30-JAN-2014	KJ405746	H1	01-FEB-2014	KF825827	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	7	KJ394777	H2	H1	30-JAN-2014	KJ405747	H1	01-FEB-2014	KF825828	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
	8	KJ394778	H1	H1	30-JAN-2014	KJ405748	H1	01-FEB-2014	KF825829	Vt1	07-NOV-2013	Bizkaia	Durango (U)
	9	KJ394779	H1	H1	30-JAN-2014	KJ405749	H1	01-FEB-2014	KF825830	Vt1	07-NOV-2013	Bizkaia	Durango (U)
	10	KJ394780	H1	H1	30-JAN-2014	KJ405750	H1	01-FEB-2014	KF825831	Vt1	07-NOV-2013	Bizkaia	Durango (R)
	11	KJ394781	H14	H1	30-JAN-2014	KJ405751	H1	01-FEB-2014	KF825832	Vt1	07-NOV-2013	Bizkaia	Durango (R)
	12	KJ394782	H2	H1	30-JAN-2014	KJ405752	H1	01-FEB-2014	KF825833	Vt1	07-NOV-2013	Bizkaia	Durango (R)
	13	KJ394783	H1	H1	30-JAN-2014	KJ405753	H1	01-FEB-2014	KF825834	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
	14	KJ394784	H1	H1	30-JAN-2014	KJ405754	H1	01-FEB-2014	KF825835	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
	15	KJ394785	H7	H1	30-JAN-2014	KJ405755	H1	01-FEB-2014	KF825836	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
	16	KJ394786	H1	H1	30-JAN-2014	KJ405756	H1	01-FEB-2014	KF825837	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
	17	KJ394787	H1	H1	30-JAN-2014	KJ405757	H1	01-FEB-2014	KF825838	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
	18	KJ394788	H1	H11	30-JAN-2014	KJ405758	H1	01-FEB-2014	KF825839	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
	19	KJ394789	H1	H1	30-JAN-2014	KJ405759	H1	01-FEB-2014	KF825840	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
	20	KJ394790	H1	H1	30-JAN-2014	KJ405760	H1	01-FEB-2014	KF825841	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
	21	KJ394791	H2	H1	30-JAN-2014	KJ405761	H1	01-FEB-2014	KF825842	Vt1	07-NOV-2013	Araba	Amurrio (U)
	22	KJ394792	H1	H1	30-JAN-2014	KJ405762	H1	01-FEB-2014	KF825843	Vt1	07-NOV-2013	Araba	Amurrio (U)
	23	KJ394793	H1	H6	30-JAN-2014	KJ405763	H1	01-FEB-2014	KF825844	Vt1	07-NOV-2013	Araba	Campezo (U)
	24	KJ394794	H5	H7	30-JAN-2014	KJ405764	H1	01-FEB-2014	KF825845	Vt3	07-NOV-2013	Araba	Campezo (U)
	25	KJ394795	H1	H2	30-JAN-2014	KJ405765	H1	01-FEB-2014	KF825846	Vt1	07-NOV-2013	Araba	Campezo (R)
	26	KJ394796	H2	H1	30-JAN-2014	KJ405766	H1	01-FEB-2014	KF825847	Vt1	07-NOV-2013	Araba	Labastida (U)
	27	KJ394797	H8	H1	30-JAN-2014	KJ405767	H1	01-FEB-2014	KF825848	Vt1	07-NOV-2013	Araba	Labastida (U)
	28	KJ394798	H1	H1	30-JAN-2014	KJ405768	H1	01-FEB-2014	KF825849	Vt1	07-NOV-2013	Araba	Labastida (R)
	29	KJ394799	H1	H1	30-JAN-2014	KJ405769	H1	01-FEB-2014	KF825850	Vt1	07-NOV-2013	Araba	Labastida (R)
	30	KJ394800	H1	H1	30-JAN-2014	KJ405770	H1	01-FEB-2014	KF825851	Vt1	07-NOV-2013	Araba	Laguardia (U)
	31	KJ394801	H1	H1	30-JAN-2014	KJ405771	H1	01-FEB-2014	KF825852	Vt1	07-NOV-2013	Araba	Laguardia (U)
	32	KJ394802	H9	H8	30-JAN-2014	KJ405772	H1	01-FEB-2014	KF825853	Vt1	07-NOV-2013	Araba	Laguardia (R)
	33	KJ394803	H1	H1	30-JAN-2014	KJ405773	H4	01-FEB-2014	KF825854	Vt1	07-NOV-2013	Araba	Salvatierra (U)
	34	KJ394804	H1	H1	30-JAN-2014	KJ405774	H1	01-FEB-2014	KF825855	Vt1	07-NOV-2013	Araba	Salvatierra (U)
	35	KJ394805	H15	H1	30-JAN-2014	KJ405775	H1	01-FEB-2014	KF825856	Vt1	07-NOV-2013	Araba	Salvatierra (R)
	36	KJ394806	H1	H1	30-JAN-2014	KJ405776	H1	01-FEB-2014	KF825857	Vt1	07-NOV-2013	Araba	Salvatierra (R)
	37	KJ394807	H3	H1	30-JAN-2014	KJ405777	H1	01-FEB-2014	KF825858	Vt1	07-NOV-2013	Araba	Sobrón (U)
	38	KJ394808	H2	H1	30-JAN-2014	KJ405778	H1	01-FEB-2014	KF825859	Vt1	07-NOV-2013	Araba	Sobrón (U)
	39	KJ394809	H3	H1	30-JAN-2014	KJ405779	H1	01-FEB-2014	KF825860	Vt1	07-NOV-2013	Araba	Sobrón (U)
	40	KJ394810	H4	H1	30-JAN-2014	KJ405780	H1	01-FEB-2014	KF825861	Vt1	07-NOV-2013	Araba	Sobrón (R)
	41	KJ394811	H4	H1	30-JAN-2014	KJ405781	H1	01-FEB-2014	KF825862	Vt1	07-NOV-2013	Araba	Sobrón (R)
	42	KJ394812	H1	H12	30-JAN-2014	KJ405782	H1	01-FEB-2014	KF825863	Vt1	07-NOV-2013	Araba	Vitoria (U)
	43	KJ394813	H5	H1	30-JAN-2014	KJ405783	H1	01-FEB-2014	KF825864	Vt1	07-NOV-2013	Araba	Vitoria (U)
	44	KJ394814	H1	H2	30-JAN-2014	KJ405784	H1	01-FEB-2014	KF825865	Vt1	07-NOV-2013	Araba	Vitoria (R)
	45	KJ394815	H1	H1	30-JAN-2014	KJ405785	H1	01-FEB-2014	KF825866	Vt1	07-NOV-2013	Araba	Vitoria (R)
	46	KJ394816	H1	H1	30-JAN-2014	KJ405786	H1	01-FEB-2014	KF825867	Vt1	07-NOV-2013	Gipuzkoa	Donostia (U)
	47	KJ394817	H1	H1	30-JAN-2014	KJ405787	H1	01-FEB-2014	KF825868	Vt2	07-NOV-2013	Bizkaia	Bermeo (U)
	48	KJ394818	H1	H1	30-JAN-2014	KJ405788	H1	01-FEB-2014	KF825869	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	49	KJ394819	H4	H1	30-JAN-2014	KJ405789	H1	01-FEB-2014	KF825870	Vt1	07-NOV-2013	Bizkaia	Durango (U)
	50	KJ394820	H1	H1	30-JAN-2014	KJ405790	H1	01-FEB-2014	KF825871	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
<i>L. richardsi</i>	1	KJ394921	H1	H1	30-JAN-2014	KJ405891	H1	01-FEB-2014	KF825972	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
	2	KJ394922	H1	H1	30-JAN-2014	KJ405892	H1	01-FEB-2014	KF825973	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
	3	KJ394923	H1	H1	30-JAN-2014	KJ405893	H1	01-FEB-2014	KF825974	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
	4	KJ394924	H1	H1	30-JAN-2014	KJ405894	H1	01-FEB-2014	KF825975	Vt1	07-NOV-2013	Araba	Amurrio (R)
	5	KJ394925	H1	H1	30-JAN-2014	KJ405895	H1	01-FEB-2014	KF825976	Vt1	07-NOV-2013	Araba	Amurrio (R)
	6	KJ394926	H1	H1	30-JAN-2014	KJ405896	H1	01-FEB-2014	KF825977	Vt1	07-NOV-2013	Araba	Amurrio (R)
	7	KJ394927	H1	H1	30-JAN-2014	KJ405897	H1	01-FEB-2014	KF825978	Vt1	07-NOV-2013	Araba	Amurrio (R)
	8	KJ394928	H2	H1	30-JAN-2014	KJ405898	H1	01-FEB-2014	KF825979	Vt1	07-NOV-2013	Araba	Campezo (R)
	9	KJ394929	H1	H1	30-JAN-2014	KJ405899	H1	01-FEB-2014	KF825980	Vt1	07-NOV-2013	Araba	Vitoria (U)
	10	KJ394930	H1	H1	30-JAN-2014	KJ405900	H1	01-FEB-2014	KF825981	Vt1	07-NOV-2013	Araba	Vitoria (U)
	11	KJ394931	H1	H1	30-JAN-2014	KJ405901	H1	01-FEB-2014	KF825982	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
	12	KJ394932	H1	H1	30-JAN-2014	KJ405902	H1	01-FEB-2014	KF825983	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
	13	KJ394933	H1	H1	30-JAN-2014	KJ405903	H1	01-FEB-2014	KF825984	Vt1	07-NOV-2013	Bizkaia	Galdakao (R)
	14	KJ394934	H1	H1	30-JAN-2014	KJ405904	H1	01-FEB-2014	KF825985	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
	15	KJ394935	H1	H1	30-JAN-2014	KJ405905	H1	01-FEB-2014	KF825986	Vt1	07-NOV-2013	Araba	Campezo (U)
	16	KJ394936	H1	H1	30-JAN-2014	KJ405906	H1	01-FEB-2014	KF825987	Vt1	07-NOV-2013	Araba	Laguardia (R)
	17	KJ394937	H1	H1	30-JAN-2014	KJ405907	H1	01-FEB-2014	KF825988	Vt1	07-NOV-2013	Araba	Salvatierra (U)
	18	KJ394938	H1	H1	30-JAN-2014	KJ405908	H1	01-FEB-2014	KF825989	Vt1	07-NOV-2013	Araba	Sobrón (R)

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	19	KJ394939	H1	H1	30-JAN-2014	KJ405909	H1	01-FEB-2014	KF825990	Vt1	07-NOV-2013	Araba	Sobrón (R)
	20	KJ394940	H1	H1	30-JAN-2014	KJ405910	H1	01-FEB-2014	KF825991	Vt1	07-NOV-2013	Araba	Vitoria (R)
	1	KJ394712	H1	H1	30-JAN-2014	KJ405682	H1	01-FEB-2014	KF825763	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	2	KJ394713	H1	H2	30-JAN-2014	KJ405683	H1	01-FEB-2014	KF825764	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
	3	KJ394714	H1	H1	30-JAN-2014	KJ405684	H1	01-FEB-2014	KF825765	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
	4	KJ394715	H1	H1	30-JAN-2014	KJ405685	H1	01-FEB-2014	KF825766	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
	5	KJ394716	H1	H1	30-JAN-2014	KJ405686	H1	01-FEB-2014	KF825767	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
	6	KJ394717	H1	H3	30-JAN-2014	KJ405687	H1	01-FEB-2014	KF825768	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
	7	KJ394718	H1	H4	30-JAN-2014	KJ405688	H1	01-FEB-2014	KF825769	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
	8	KJ394719	H1	H1	30-JAN-2014	KJ405689	H1	01-FEB-2014	KF825770	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	9	KJ394720	H1	H5	30-JAN-2014	KJ405690	H1	01-FEB-2014	KF825771	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	10	KJ394721	H1	H1	30-JAN-2014	KJ405691	H1	01-FEB-2014	KF825772	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
	11	KJ394722	H2	H10	30-JAN-2014	KJ405692	H1	01-FEB-2014	KF825773	Vt1	07-NOV-2013	Bizkaia	Durango (U)
	12	KJ394723	H1	H2	30-JAN-2014	KJ405693	H1	01-FEB-2014	KF825774	Vt1	07-NOV-2013	Bizkaia	Durango (R)
	13	KJ394724	H1	H1	30-JAN-2014	KJ405694	H1	01-FEB-2014	KF825775	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
	14	KJ394725	H1	H1	30-JAN-2014	KJ405695	H1	01-FEB-2014	KF825776	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
	15	KJ394726	H1	H1	30-JAN-2014	KJ405696	H1	01-FEB-2014	KF825777	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
	16	KJ394727	H1	H1	30-JAN-2014	KJ405697	H3	01-FEB-2014	KF825778	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
	17	KJ394728	H3	H6	30-JAN-2014	KJ405698	H1	01-FEB-2014	KF825779	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
	18	KJ394729	H1	H1	30-JAN-2014	KJ405699	H1	01-FEB-2014	KF825780	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
	19	KJ394730	H1	H1	30-JAN-2014	KJ405700	H1	01-FEB-2014	KF825781	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
	20	KJ394731	H1	H1	30-JAN-2014	KJ405701	H1	01-FEB-2014	KF825782	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
	21	KJ394732	H1	H7	30-JAN-2014	KJ405702	H1	01-FEB-2014	KF825783	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
	22	KJ394733	H1	H1	30-JAN-2014	KJ405703	H1	01-FEB-2014	KF825784	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
	23	KJ394734	H1	H1	30-JAN-2014	KJ405704	H1	01-FEB-2014	KF825785	Vt1	07-NOV-2013	Araba	Amurrio (R)
	24	KJ394735	H1	H1	30-JAN-2014	KJ405705	H1	01-FEB-2014	KF825786	Vt1	07-NOV-2013	Araba	Amurrio (R)
	25	KJ394736	H2	H1	30-JAN-2014	KJ405706	H1	01-FEB-2014	KF825787	Vt1	07-NOV-2013	Araba	Campezo (U)
	26	KJ394737	H1	H1	30-JAN-2014	KJ405707	H1	01-FEB-2014	KF825788	Vt1	07-NOV-2013	Araba	Campezo (U)
	27	KJ394738	H1	H1	30-JAN-2014	KJ405708	H1	01-FEB-2014	KF825789	Vt1	07-NOV-2013	Araba	Campezo (R)
	28	KJ394739	H1	H1	30-JAN-2014	KJ405709	H1	01-FEB-2014	KF825790	Vt1	07-NOV-2013	Araba	Labastida (R)
	29	KJ394740	H1	H1	30-JAN-2014	KJ405710	H1	01-FEB-2014	KF825791	Vt1	07-NOV-2013	Araba	Laguardia (U)
	30	KJ394741	H6	H1	30-JAN-2014	KJ405711	H1	01-FEB-2014	KF825792	Vt1	07-NOV-2013	Araba	Laguardia (U)
	31	KJ394742	H1	H1	30-JAN-2014	KJ405712	H1	01-FEB-2014	KF825793	Vt1	07-NOV-2013	Araba	Salvatierra (U)
	32	KJ394743	H1	H1	30-JAN-2014	KJ405713	H1	01-FEB-2014	KF825794	Vt1	07-NOV-2013	Araba	Salvatierra (U)
	33	KJ394744	H1	H1	30-JAN-2014	KJ405714	H1	01-FEB-2014	KF825795	Vt1	07-NOV-2013	Araba	Vitoria (R)
	34	KJ394745	H1	H8	30-JAN-2014	KJ405715	H1	01-FEB-2014	KF825796	Vt1	07-NOV-2013	Gipuzkoa	Andoain (R)
	35	KJ394746	H1	H1	30-JAN-2014	KJ405716	H1	01-FEB-2014	KF825797	Vt1	07-NOV-2013	Gipuzkoa	Andoain (R)
	36	KJ394747	H1	H1	30-JAN-2014	KJ405717	H1	01-FEB-2014	KF825798	Vt1	07-NOV-2013	Gipuzkoa	Donostia (U)
	37	KJ394748	H1	H1	30-JAN-2014	KJ405718	H1	01-FEB-2014	KF825799	Vt1	07-NOV-2013	Gipuzkoa	Donostia (R)
	38	KJ394749	H1	H1	30-JAN-2014	KJ405719	H1	01-FEB-2014	KF825800	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (U)
	39	KJ394750	H1	H1	30-JAN-2014	KJ405720	H1	01-FEB-2014	KF825801	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (R)
	40	KJ394751	H1	H1	30-JAN-2014	KJ405721	H1	01-FEB-2014	KF825802	Vt1	07-NOV-2013	Gipuzkoa	Markina (U)
	41	KJ394752	H1	H1	30-JAN-2014	KJ405722	H1	01-FEB-2014	KF825803	Vt1	07-NOV-2013	Gipuzkoa	Markina (U)
	42	KJ394753	H1	H9	30-JAN-2014	KJ405723	H1	01-FEB-2014	KF825804	Vt1	07-NOV-2013	Gipuzkoa	Markina (U)
	43	KJ394754	H1	H1	30-JAN-2014	KJ405724	H4	01-FEB-2014	KF825805	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
	44	KJ394755	H1	H1	30-JAN-2014	KJ405725	H1	01-FEB-2014	KF825806	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
	45	KJ394756	H1	H1	30-JAN-2014	KJ405726	H1	01-FEB-2014	KF825807	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
	46	KJ394757	H1	H1	30-JAN-2014	KJ405727	H1	01-FEB-2014	KF825808	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
	47	KJ394758	H1	H1	30-JAN-2014	KJ405728	H1	01-FEB-2014	KF825809	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
	48	KJ394759	H1	H1	30-JAN-2014	KJ405729	H1	01-FEB-2014	KF825810	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
	49	KJ394760	H4	H1	30-JAN-2014	KJ405730	H1	01-FEB-2014	KF825811	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	50	KJ394761	H1	H1	30-JAN-2014	KJ405731	H1	01-FEB-2014	KF825812	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
	51	KJ394762	H1	H1	30-JAN-2014	KJ405732	H1	01-FEB-2014	KF825813	Vt1	07-NOV-2013	Bizkaia	Durango (U)
	52	KJ394763	H1	H1	30-JAN-2014	KJ405733	H1	01-FEB-2014	KF825814	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
	53	KJ394764	H1	H1	30-JAN-2014	KJ405734	H3	01-FEB-2014	KF825815	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
	54	KJ394765	H1	H1	30-JAN-2014	KJ405735	H1	01-FEB-2014	KF825816	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
	55	KJ394766	H1	H1	30-JAN-2014	KJ405736	H1	01-FEB-2014	KF825817	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
	56	KJ394767	H1	H1	30-JAN-2014	KJ405737	H3	01-FEB-2014	KF825818	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
	57	KJ394768	H1	H1	30-JAN-2014	KJ405738	H1	01-FEB-2014	KF825819	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (U)
	58	KJ394769	H1	H1	30-JAN-2014	KJ405739	H1	01-FEB-2014	KF825820	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (U)
	59	KJ394770	H1	H1	30-JAN-2014	KJ405740	H1	01-FEB-2014	KF825821	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (R)
	1	KJ394941	H1	H1	30-JAN-2014	KJ405911	H1	01-FEB-2014	KF825992	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
	2	KJ394942	H2	H2	30-JAN-2014	KJ405912	H1	01-FEB-2014	KF825993	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
	3	KJ394943	H1	H1	30-JAN-2014	KJ405913	H1	01-FEB-2014	KF825994	Vt1	07-NOV-2013	Araba	Amurrio (R)
	4	KJ394944	H1	H2	30-JAN-2014	KJ405914	H1	01-FEB-2014	KF825995	Vt1	07-NOV-2013	Araba	Sobrón (R)
	5	KJ394945	H1	H1	30-JAN-2014	KJ405915	H2	01-FEB-2014	KF825996	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	6	KJ394946	H1	H1	30-JAN-2014	KJ405916	H1	01-FEB-2014	KF825997	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
	7	KJ394947	H2	H1	30-JAN-2014	KJ405917	H3	01-FEB-2014	KF825998	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
	8	KJ394948	H2	H1	30-JAN-2014	KJ405918	H1	01-FEB-2014	KF825999	Vt1	07-NOV-2013	Bizkaia	Sodupe (U)
	9	KJ394949	H1	H1	30-JAN-2014	KJ405919	H1	01-FEB-2014	KF826000	Vt1	07-NOV-2013	Bizkaia	Zalla (R)
	10	KJ394950	H1	H1	30-JAN-2014	KJ405920	H1	01-FEB-2014	KF826001	Vt1	07-NOV-2013	Araba	Labastida (U)

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11	KJ394951	H1	H1	30-JAN-2014	KJ405921	H1	01-FEB-2014	KF826002	Vt1	07-NOV-2013	Araba	Laguardia (U)
12	KJ394952	H1	H1	30-JAN-2014	KJ405922	H2	01-FEB-2014	KF826003	Vt1	07-NOV-2013	Araba	Sobrón (R)
13	KJ394953	H1	H1	30-JAN-2014	KJ405923	H1	01-FEB-2014	KF826004	Vt1	07-NOV-2013	Araba	Vitoria (U)
14	KJ394954	H3	H1	30-JAN-2014	KJ405924	H1	01-FEB-2014	KF826005	Vt1	07-NOV-2013	Araba	Vitoria (U)
15	KJ394955	H1	H1	30-JAN-2014	KJ405925	H2	01-FEB-2014	KF826006	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
1	KJ394821	H16	H1	30-JAN-2014	KJ405791	H1	01-FEB-2014	KF825872	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
2	KJ394822	H3	H2	30-JAN-2014	KJ405792	H2	01-FEB-2014	KF825873	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
3	KJ394823	H2	H1	30-JAN-2014	KJ405793	H6	01-FEB-2014	KF825874	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
4	KJ394824	H7	H3	30-JAN-2014	KJ405794	H1	01-FEB-2014	KF825875	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
5	KJ394825	H4	H26	30-JAN-2014	KJ405795	H4	01-FEB-2014	KF825876	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
6	KJ394826	H2	H27	30-JAN-2014	KJ405796	H1	01-FEB-2014	KF825877	Vt1	07-NOV-2013	Bizkaia	Bermeo (R)
7	KJ394827	H22	H9	30-JAN-2014	KJ405797	H1	01-FEB-2014	KF825878	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
8	KJ394828	H3	H35	30-JAN-2014	KJ405798	H2	01-FEB-2014	KF825879	Vt1	07-NOV-2013	Bizkaia	Bilbao (R)
9	KJ394829	H19	H1	30-JAN-2014	KJ405799	H2	01-FEB-2014	KF825880	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
10	KJ394830	H1	H1	30-JAN-2014	KJ405800	H1	01-FEB-2014	KF825881	Vt1	07-NOV-2013	Bizkaia	Carranza (R)
11	KJ394831	H9	H7	30-JAN-2014	KJ405801	H2	01-FEB-2014	KF825882	Vt1	07-NOV-2013	Bizkaia	Durango (U)
12	KJ394832	H11	H10	30-JAN-2014	KJ405802	H1	01-FEB-2014	KF825883	Vt1	07-NOV-2013	Bizkaia	Durango (U)
13	KJ394833	H4	H28	30-JAN-2014	KJ405803	H10	01-FEB-2014	KF825884	Vt1	07-NOV-2013	Bizkaia	Durango (R)
14	KJ394834	H12	H1	30-JAN-2014	KJ405804	H2	01-FEB-2014	KF825885	Vt1	07-NOV-2013	Bizkaia	Durango (R)
15	KJ394835	H2	H11	30-JAN-2014	KJ405805	H1	01-FEB-2014	KF825886	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
16	KJ394836	H24	H20	30-JAN-2014	KJ405806	H4	01-FEB-2014	KF825887	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
17	KJ394837	H1	H4	30-JAN-2014	KJ405807	H1	01-FEB-2014	KF825888	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
18	KJ394838	H25	H33	30-JAN-2014	KJ405808	H2	01-FEB-2014	KF825889	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
19	KJ394839	H1	H4	30-JAN-2014	KJ405809	H1	01-FEB-2014	KF825890	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
20	KJ394840	H2	H1	30-JAN-2014	KJ405810	H2	01-FEB-2014	KF825891	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
21	KJ394841	H7	H3	30-JAN-2014	KJ405811	H1	01-FEB-2014	KF825892	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
22	KJ394842	H3	H2	30-JAN-2014	KJ405812	H1	01-FEB-2014	KF825893	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
23	KJ394843	H6	H30	30-JAN-2014	KJ405813	H11	01-FEB-2014	KF825894	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
24	KJ394844	H1	H12	30-JAN-2014	KJ405814	H12	01-FEB-2014	KF825895	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
25	KJ394845	H1	H13	30-JAN-2014	KJ405815	H1	01-FEB-2014	KF825896	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
26	KJ394846	H1	H14	30-JAN-2014	KJ405816	H1	01-FEB-2014	KF825897	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
27	KJ394847	H1	H1	30-JAN-2014	KJ405817	H1	01-FEB-2014	KF825898	Vt1	07-NOV-2013	Araba	Amurrio (U)
28	KJ394848	H33	H7	30-JAN-2014	KJ405818	H2	01-FEB-2014	KF825899	Vt1	07-NOV-2013	Araba	Amurrio (U)
29	KJ394849	H2	H5	30-JAN-2014	KJ405819	H1	01-FEB-2014	KF825900	Vt1	07-NOV-2013	Araba	Amurrio (R)
30	KJ394850	H3	H39	30-JAN-2014	KJ405820	H2	01-FEB-2014	KF825901	Vt1	07-NOV-2013	Araba	Campezo (U)
31	KJ394851	H1	H15	30-JAN-2014	KJ405821	H1	01-FEB-2014	KF825902	Vt1	07-NOV-2013	Araba	Campezo (R)
32	KJ394852	H13	H1	30-JAN-2014	KJ405822	H1	01-FEB-2014	KF825903	Vt1	07-NOV-2013	Araba	Campezo (R)
33	KJ394853	H20	H21	30-JAN-2014	KJ405823	H2	01-FEB-2014	KF825904	Vt1	07-NOV-2013	Araba	Labastida (U)
34	KJ394854	H1	H16	30-JAN-2014	KJ405824	H3	01-FEB-2014	KF825905	Vt1	07-NOV-2013	Araba	Labastida (U)
35	KJ394855	H30	H2	30-JAN-2014	KJ405825	H13	01-FEB-2014	KF825906	Vt1	07-NOV-2013	Araba	Labastida (U)
36	KJ394856	H4	H31	30-JAN-2014	KJ405826	H4	01-FEB-2014	KF825907	Vt1	07-NOV-2013	Araba	Labastida (U)
37	KJ394857	H2	H1	30-JAN-2014	KJ405827	H1	01-FEB-2014	KF825908	Vt1	07-NOV-2013	Araba	Laguardia (R)
38	KJ394858	H1	H17	30-JAN-2014	KJ405828	H1	01-FEB-2014	KF825909	Vt1	07-NOV-2013	Araba	Laguardia (U)
39	KJ394859	H2	H5	30-JAN-2014	KJ405829	H1	01-FEB-2014	KF825910	Vt1	07-NOV-2013	Araba	Laguardia (U)
40	KJ394860	H1	H1	30-JAN-2014	KJ405830	H1	01-FEB-2014	KF825911	Vt1	07-NOV-2013	Araba	Laguardia (R)
41	KJ394861	H3	H2	30-JAN-2014	KJ405831	H2	01-FEB-2014	KF825912	Vt1	07-NOV-2013	Araba	Salvatierra (U)
42	KJ394862	H26	H40	30-JAN-2014	KJ405832	H1	01-FEB-2014	KF825913	Vt1	07-NOV-2013	Araba	Salvatierra (U)
43	KJ394863	H1	H18	30-JAN-2014	KJ405833	H1	01-FEB-2014	KF825914	Vt1	07-NOV-2013	Araba	Salvatierra (R)
44	KJ394864	H9	H41	30-JAN-2014	KJ405834	H2	01-FEB-2014	KF825915	Vt1	07-NOV-2013	Araba	Sobrón (U)
45	KJ394865	H27	H22	30-JAN-2014	KJ405835	H2	01-FEB-2014	KF825916	Vt1	07-NOV-2013	Araba	Sobrón (U)
46	KJ394866	H3	H36	30-JAN-2014	KJ405836	H3	01-FEB-2014	KF825917	Vt1	07-NOV-2013	Araba	Sobrón (U)
47	KJ394867	H28	H37	30-JAN-2014	KJ405837	H2	01-FEB-2014	KF825918	Vt1	07-NOV-2013	Araba	Sobrón (R)
48	KJ394868	H5	H6	30-JAN-2014	KJ405838	H1	01-FEB-2014	KF825919	Vt1	07-NOV-2013	Araba	Sobrón (R)
49	KJ394869	H31	H2	30-JAN-2014	KJ405839	H2	01-FEB-2014	KF825920	Vt1	07-NOV-2013	Araba	Vitoria (U)
50	KJ394870	H1	H1	30-JAN-2014	KJ405840	H1	01-FEB-2014	KF825921	Vt1	07-NOV-2013	Araba	Vitoria (U)
51	KJ394871	H2	H19	30-JAN-2014	KJ405841	H1	01-FEB-2014	KF825922	Vt1	07-NOV-2013	Araba	Vitoria (R)
52	KJ394872	H2	H1	30-JAN-2014	KJ405842	H7	01-FEB-2014	KF825923	Vt1	07-NOV-2013	Araba	Vitoria (R)
53	KJ394873	H17	H38	30-JAN-2014	KJ405843	H1	01-FEB-2014	KF825924	Vt1	07-NOV-2013	Araba	Vitoria (R)
54	KJ394874	H5	H23	30-JAN-2014	KJ405844	H3	01-FEB-2014	KF825925	Vt1	07-NOV-2013	Gipuzkoa	Andoain (R)
55	KJ394875	H6	H29	30-JAN-2014	KJ405845	H2	01-FEB-2014	KF825926	Vt1	07-NOV-2013	Gipuzkoa	Andoain (R)
56	KJ394876	H18	H1	30-JAN-2014	KJ405846	H1	01-FEB-2014	KF825927	Vt1	07-NOV-2013	Gipuzkoa	Andoain (R)
57	KJ394877	H1	H24	30-JAN-2014	KJ405847	H1	01-FEB-2014	KF825928	Vt1	07-NOV-2013	Gipuzkoa	Andoain (R)
58	KJ394878	H4	H32	30-JAN-2014	KJ405848	H1	01-FEB-2014	KF825929	Vt1	07-NOV-2013	Gipuzkoa	Donostia (U)
59	KJ394879	H2	H1	30-JAN-2014	KJ405849	H1	01-FEB-2014	KF825930	Vt1	07-NOV-2013	Gipuzkoa	Donostia (R)
60	KJ394880	H1	H1	30-JAN-2014	KJ405850	H1	01-FEB-2014	KF825931	Vt1	07-NOV-2013	Gipuzkoa	Donostia (R)
61	KJ394881	H5	H6	30-JAN-2014	KJ405851	H1	01-FEB-2014	KF825932	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (U)
62	KJ394882	H2	H25	30-JAN-2014	KJ405852	H3	01-FEB-2014	KF825933	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (R)
63	KJ394883	H3	H2	30-JAN-2014	KJ405853	H14	01-FEB-2014	KF825934	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (R)
64	KJ394884	H14	H1	30-JAN-2014	KJ405854	H1	01-FEB-2014	KF825935	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (R)
65	KJ394885	H1	H4	30-JAN-2014	KJ405855	H1	01-FEB-2014	KF825936	Vt1	07-NOV-2013	Gipuzkoa	Markina (U)
66	KJ394886	H8	H34	30-JAN-2014	KJ405856	H4	01-FEB-2014	KF825937	Vt1	07-NOV-2013	Gipuzkoa	Markina (U)

*L. caesar*



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	67	KJ394887	H34	H42	30-JAN-2014	KJ405857	H2	01-FEB-2014	KF825938	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
	68	KJ394888	H2	H1	30-JAN-2014	KJ405858	H1	01-FEB-2014	KF825939	Vt1	07-NOV-2013	Gipuzkoa	Markina (R)
	69	KJ394889	H2	H1	30-JAN-2014	KJ405859	H1	01-FEB-2014	KF825940	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	70	KJ394890	H8	H1	30-JAN-2014	KJ405860	H3	01-FEB-2014	KF825941	Vt1	07-NOV-2013	Bizkaia	Carranza (U)
	71	KJ394891	H6	H1	30-JAN-2014	KJ405861	H8	01-FEB-2014	KF825942	Vt1	07-NOV-2013	Bizkaia	Durango (R)
	72	KJ394892	H23	H1	30-JAN-2014	KJ405862	H2	01-FEB-2014	KF825943	Vt1	07-NOV-2013	Bizkaia	Otxandio
	73	KJ394893	H3	H1	30-JAN-2014	KJ405863	H1	01-FEB-2014	KF825944	Vt1	07-NOV-2013	Araba	Amurrio (R)
	1	KJ394894	H7	H12	30-JAN-2014	KJ405864	H2	01-FEB-2014	KF825945	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	2	KJ394895	H3	H3	30-JAN-2014	KJ405865	H3	01-FEB-2014	KF825946	Vt1	07-NOV-2013	Bizkaia	Bermeo (U)
	3	KJ394896	H4	H2	30-JAN-2014	KJ405866	H1	01-FEB-2014	KF825947	Vt1	07-NOV-2013	Bizkaia	Durango (U)
	4	KJ394897	H7	H16	30-JAN-2014	KJ405867	H2	01-FEB-2014	KF825948	Vt1	07-NOV-2013	Bizkaia	Durango (U)
	5	KJ394898	H2	H2	30-JAN-2014	KJ405868	H1	01-FEB-2014	KF825949	Vt1	07-NOV-2013	Bizkaia	Leioa (U)
	6	KJ394899	H11	H1	30-JAN-2014	KJ405869	H1	01-FEB-2014	KF825950	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
	7	KJ394900	H3	H17	30-JAN-2014	KJ405870	H3	01-FEB-2014	KF825951	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
	8	KJ394901	H1	H4	30-JAN-2014	KJ405871	H1	01-FEB-2014	KF825952	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
	9	KJ394902	H4	H2	30-JAN-2014	KJ405872	H1	01-FEB-2014	KF825953	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
	10	KJ394903	H2	H2	30-JAN-2014	KJ405873	H1	01-FEB-2014	KF825954	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)
	11	KJ394904	H1	H18	30-JAN-2014	KJ405874	H1	01-FEB-2014	KF825955	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
	12	KJ394905	H1	H13	30-JAN-2014	KJ405875	H4	01-FEB-2014	KF825956	Vt1	07-NOV-2013	Bizkaia	Otxandio (U)
	13	KJ394906	H12	H5	30-JAN-2014	KJ405876	H1	01-FEB-2014	KF825957	Vt1	07-NOV-2013	Bizkaia	Otxandio (R)
	14	KJ394907	H1	H1	30-JAN-2014	KJ405877	H1	01-FEB-2014	KF825958	Vt1	07-NOV-2013	Araba	Campezo (U)
	15	KJ394908	H1	H1	30-JAN-2014	KJ405878	H1	01-FEB-2014	KF825959	Vt1	07-NOV-2013	Araba	Labastida (U)
	16	KJ394909	H14	H2	30-JAN-2014	KJ405879	H1	01-FEB-2014	KF825960	Vt1	07-NOV-2013	Araba	Salvatierra (U)
	17	KJ394910	H9	H14	30-JAN-2014	KJ405880	H1	01-FEB-2014	KF825961	Vt1	07-NOV-2013	Araba	Salvatierra (R)
	18	KJ394911	H2	H1	30-JAN-2014	KJ405881	H1	01-FEB-2014	KF825962	Vt1	07-NOV-2013	Araba	Vitoria (U)
	19	KJ394912	H1	H1	30-JAN-2014	KJ405882	H1	01-FEB-2014	KF825963	Vt1	07-NOV-2013	Gipuzkoa	Andoain (R)
	20	KJ394913	H1	H1	30-JAN-2014	KJ405883	H1	01-FEB-2014	KF825964	Vt1	07-NOV-2013	Gipuzkoa	Donostia (U)
	21	KJ394914	H1	H1	30-JAN-2014	KJ405884	H1	01-FEB-2014	KF825965	Vt1	07-NOV-2013	Gipuzkoa	Donostia (U)
	22	KJ394915	H3	H3	30-JAN-2014	KJ405885	H1	01-FEB-2014	KF825966	Vt1	07-NOV-2013	Gipuzkoa	Donostia (R)
	23	KJ394916	H1	H1	30-JAN-2014	KJ405886	H1	01-FEB-2014	KF825967	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (U)
	24	KJ394917	H2	H1	30-JAN-2014	KJ405887	H1	01-FEB-2014	KF825968	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
	25	KJ394918	H1	H1	30-JAN-2014	KJ405888	H1	01-FEB-2014	KF825969	Vt1	07-NOV-2013	Bizkaia	Leioa (R)
	26	KJ394919	H1	H2	30-JAN-2014	KJ405889	H1	01-FEB-2014	KF825970	Vt1	07-NOV-2013	Bizkaia	Ondarroa (U)
	27	KJ394920	H12	H1	30-JAN-2014	KJ405890	H1	01-FEB-2014	KF825971	Vt1	07-NOV-2013	Gipuzkoa	Legazpia (R)
<i>L. bufonivora</i>	1	KJ394956	H1	H1	30-JAN-2014	KJ405926	H1	01-FEB-2014	KF826007	Vt1	07-NOV-2013	Bizkaia	Ondarroa (R)

U: Urban; R: Rural.

**Table S44.** Data about molecular markers. The table shows the molecular marker, length in base pair, location in the mitochondrial genome of *Drosophila yakuba* (NC001322), primer name and primer sequence.

Marker	Length (bp)	<i>D. yakuba</i>	Primer name	Primer sequence
COI barcode	658	1515-2172	LCO1490	5'- TTT CAA CTA ATC ATA AAG ATA TTG G -3'
			HCO2198	5'- TAA ACT TCA GGA TGA CCA AAG AAT CA -3'
COI 616 bp	616	2173-2788	COI-1_F2115	5'- TACT TCA TTC TTT GAC CCA G -3'
			COI-1_R2538	5'- AAC AAC TCC AGT TAA TCC TC -3'
			COI-2_F2439	5'- AGC AAC TCT TTA TGG AAC TC -3'
			COI-2_R2808	5'- GTA AGC ATC TGG GTA ATC TG -3'
Cyt-b	307	10613-10919	L14816	5'- CCA TCC AAC ATC TCA GCA TGA TGA AA -3'
			H15173	5'- CCC CTC AGA ATG ATA TTT GTC CTC A -3'
ITS2	310-337	-	ITS2_F2814-2835	5'- TGC TTG GAC TAC ATA TGG TTG A -3'
			ITS2_R3295-3317	5'- GTA GTC CCA TAT GAG TTG AGG TT -3'

\* New primers

**Table S45.** GenBank COI barcode (658 bp, A), COI (616 bp, B) sequences included in the analysis. Species, number of specimens (NS), accession number (AN), haplotypes (H), authors, submission date (SD) and origin.

Species	NS	AN	HA	HB	Authors	SD	Origin
<i>Ch. albiceps</i>	1	AF083657	H1	H3	Wells & Sperling	11-Aug-1998	America, USA
	2	JX913736	H1	H1	Nelson <i>et al.</i>	07-Oct-2012	Africa, Zambia
	3	KF919011	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, France
	4	KF919013	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, France
	5	KF919014	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, France
	6	KF919016	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, France
	7	NC019631	H1	H1	Nelson <i>et al.</i>	07-Oct-2012	Australia
<i>C. vicina</i>	1	AJ417702	H1	H28	Stevens & Wall	24-Oct-2001	Europe, UK

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	2	EU880188	H5	H5	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	3	EU880189	H5	H5	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	4	EU880190	H5	H39	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	5	EU880191	H5	H5	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	6	EU880192	H1	H40	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	7	JQ307762	H7	H1	Godfrey & Smith	15-Dec-2011	Europe, UK
	8	JX913760	H1	H6	Nelson <i>et al.</i>	07-Oct-2012	Europe, France
	9	KF225195	H34	H15	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	10	KF225196	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	11	KF225197	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	12	KF225198	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	13	KF225199	H1	H3	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	14	KF225200	H1	H2	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	15	KF225201	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	16	KF225202	H28	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	17	KF225203	H4	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	18	KF225204	H1	H29	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	19	KF225205	H10	H30	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	20	KF225206	H1	H31	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	21	KF225207	H1	H16	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	22	KF225208	H2	H32	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	23	KF225209	H1	H2	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	24	KF225210	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	25	KF225211	H4	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	26	KF225212	H11	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	27	KF225213	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	28	KF225214	H4	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	29	KF225215	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	30	KF225216	H15	H41	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	31	KF225217	H1	H33	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	32	KF225218	H29	H17	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	33	KF225219	H12	H34	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	34	KF225220	H1	H11	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	35	KF225221	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	36	KF225222	H2	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	37	KF225223	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	38	KF225224	H2	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	39	KF225225	H6	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	40	KF225226	H6	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	41	KF225227	H6	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	42	KF225228	H6	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	43	KF225229	H35	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	44	KF918981	H30	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	45	KF918983	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	46	KF918984	H1	H3	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	47	KF918985	H1	H18	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	48	KF918986	H31	H35	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	49	KF918987	H1	H3	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	50	KF918989	H13	H36	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	51	KF918990	H14	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	52	KF918991	H1	H3	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	53	KF918992	H3	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	54	KF918993	H4	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	55	KF918994	H7	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	56	NC019639	H1	H6	Nelson <i>et al.</i>	07-Oct-2012	Australia
	1	FR719157	H5	H5	McDonagh & Stevens	30-Oct-2010	America, USA (California)
	2	GQ223336	H1	H1	Stamper <i>et al.</i>	29-May-2009	America, USA (Ohio)
	3	JQ307767	H1	H1	Godfrey & Smith	15-Dec-2011	Europe, UK
	4	KF918996	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	5	KF918997	H2	H2	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	6	KF918998	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	7	KF918999	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	8	KF919000	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	9	KF919001	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	11	KF919003	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	12	KF919004	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	13	KF919006	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	14	KF919007	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	15	KF919008	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
	16	KF919009	H1	H1	Sonet <i>et al.</i>	29-Nov-2013	Europe, Belgium
<i>L. sericata</i>	1	AJ417712	H2	H1	Stevens & Wall	25-Oct-2001	Europe, UK

	2	AJ417713	H16	H1	Stevens <i>et al.</i>	25-Oct-2001	Europe, UK
	3	AJ417714	H1	H13	Stevens & Wall	25-Oct-2001	Europe, UK
	4	AJ417715	H1	H1	Stevens <i>et al.</i>	25-Oct-2001	Europe, UK
	5	AJ417716	H2	H1	Stevens <i>et al.</i>	25-Oct-2001	Europe, UK
	6	AJ417717	H3	H1	Stevens <i>et al.</i>	25-Oct-2001	Europe, UK
	7	AJ422212	H1	H1	Stevens <i>et al.</i>	18-Dec-2001	Europe, UK
	8	EU880208	H1	H1	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	9	EU880209	H10	H9	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	10	EU880210	H2	H1	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	11	EU880211	H4	H1	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	12	EU880212	H5	H1	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	13	JQ307761	H11	H10	Godfrey & Smith	15-Dec-2011	Europe, UK
	14	JX913754	H6	H1	Nelson <i>et al.</i>	07-Oct-2012	Oceania, Australia
	15	JX913755	H1	H1	Nelson <i>et al.</i>	07-Oct-2012	America, USA (Utah)
	16	JX913756	H1	H1	Nelson <i>et al.</i>	07-Oct-2012	Oceania, Australia
	17	JX913757	H6	H1	Nelson <i>et al.</i>	07-Oct-2012	Oceania, Australia
	18	KF225235	H12	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	19	KF225236	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	20	NC009733	H1	H1	Stevens <i>et al.</i>	18-Dec-2001	Europe, UK
<i>L. ampullacea</i>	1	DQ453487	H1	H1	Wells <i>et al.</i>	19-Mar-2006	Europe, UK
	2	EU925394	H1	H11	Park <i>et al.</i>	25-Jul-2008	Asia, Korea
	3	JQ307766	H1	H1	Godfrey & Smith	15-Dec-2011	Europe, UK
	4	KF225230	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	5	KF225231	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	6	KF225232	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	7	KF225233	H1	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	8	KF225234	H5	H1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
<i>L. caesar</i>	1	AJ417703	H10	H8	Stevens & Wall	24-Oct-2001	Europe, UK
	2	DQ453488	H10	H8	Wells <i>et al.</i>	19-Mar-2006	Europe, UK
	3	EU880193	H21	H3	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	4	EU880194	H5	H3	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	5	EU880195	H15	H3	Park <i>et al.</i>	09-Jul-2008	Asia, Korea
	6	JQ307765	H4	H20	Godfrey & Smith	15-Dec-2011	Europe, UK
	7	KF225237	H32	H2	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	8	KF225238	H29	H43	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	9	KF225239	H1	H3	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
<i>L. illustris</i>	1	AJ551445	H15	H19	Stevens	27-Mar-2003	Europe, UK
	2	EU880197	H5	H6	Park <i>et al.</i>	09-Jul-2008	Korea
	3	EU880198	H10	H1	Park <i>et al.</i>	09-Jul-2008	Korea
	4	EU880199	H13	H1	Park <i>et al.</i>	09-Jul-2008	Korea
	5	EU880200	H8	H7	Park <i>et al.</i>	09-Jul-2008	Korea
	6	EU880201	H6	H8	Park <i>et al.</i>	09-Jul-2008	Korea
	7	EU880202	H6	H9	Park <i>et al.</i>	09-Jul-2008	Korea
	8	EU880203	H4	H15	Park <i>et al.</i>	09-Jul-2008	Korea
	9	EU880204	H5	H1	Park <i>et al.</i>	09-Jul-2008	Korea
	10	EU880205	H4	H10	Park <i>et al.</i>	09-Jul-2008	Korea
	11	JQ307764	H1	H11	Godfrey & Smith	15-Dec-2011	Europe, UK
<i>L. bufonivora</i>	1	FR719161	H1	H1	McDonagh	30-Oct-2010	Europe, UK

**Table S46.** GenBank Cyt-b (307 bp) sequences included in the analysis. Species, number of specimens (NS), accession number (AN), haplotypes (H), authors, submission date (SD) and origin.

Species	NS	AN	H	Authors	SD	Origin
<i>Ch. albiceps</i>	1	JF706087	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	2	JF706088	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	3	JF706089	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	4	JF706090	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	5	JF706091	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	6	JF706092	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	7	JF706093	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	8	JF706094	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	9	JF706095	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	10	JF706096	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	11	JF706097	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	12	JF706098	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	13	JF706099	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	14	JF706100	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	15	JF706101	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	16	JF706102	H1	GilArriortua <i>et al.</i>	17-Mar-2011	Europe, Portugal



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	21	JF706005	H9	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	22	JF706006	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	23	JF706007	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	24	JF706008	H4	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	25	JF706009	H5	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	26	JF706010	H5	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	27	JF706011	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	28	JF706012	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	29	JF706013	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	30	JF706014	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	31	JF706015	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	32	JF706016	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	33	JF706017	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	34	JF706018	H7	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	35	JF706019	H3	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	36	JF706020	H7	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	37	JF706021	H3	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	38	JF706022	H7	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	39	JF706023	H16	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	40	JF706024	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	41	JF706025	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	42	JF706026	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	43	JF706027	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	44	JF706028	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	45	JF706029	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	46	JF706030	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	47	JF706031	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	48	JF706032	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	49	JF706033	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	50	JF706034	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	51	JF706035	H6	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	52	JF706036	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	53	JF706037	H6	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	54	JF706038	H6	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	55	JF706039	H3	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	56	JF706040	H5	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	57	JF706041	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	58	JF706042	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	59	JF706043	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	60	JF706044	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	61	JF706045	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	62	JQ307811	H3	Godfrey & Smith	17-Dec-2011	Europe, UK
	63	JX913760	H1	Nelson <i>et al.</i>	07-Oct-2012	Europe, France
	64	KC775809	H4	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	65	KC775810	H4	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	66	KC775811	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	67	KC775812	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	68	KC775813	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	69	KC775814	H2	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	70	KC775815	H2	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	71	KC775816	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	72	KC775817	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	73	NC019639	H1	Nelson <i>et al.</i>	07-Oct-2012	Europe, France
<i>C. vomitoria</i>	1	JF706046	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	2	JF706047	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	3	JF706048	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	4	JF706049	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	5	JF706050	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	6	JF706051	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	7	JF706052	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	8	JF706053	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	9	JF706054	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	10	JF706055	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	11	JF706056	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	12	JF706057	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	13	JF706058	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	14	JF706059	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	15	JF706060	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	16	JF706061	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	17	JF706062	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	18	JF706063	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal

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	19	JF706064	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	20	JF706065	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	21	JF706066	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	22	JF706067	H3	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	23	JF706068	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	24	JF706069	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	25	JF706070	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	26	JF706071	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	27	JF706072	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	28	JF706073	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	29	JF706074	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	30	JF706075	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	31	JF706076	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	32	JF706077	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	33	JF706078	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	34	JF706079	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	35	JF706080	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	36	JF706081	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	37	JF706082	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	38	JF706083	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	39	JF706084	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	40	JF706085	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	41	JF706086	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	42	JQ307812	H1	Godfrey & Smith	17-Dec-2011	Europe, UK
	43	KC775818	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	44	KC775819	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	45	KC775820	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	46	KC775821	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	47	KC775822	H4	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	48	KC775823	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	49	KC775824	H2	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	50	KC775825	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	51	KC775826	H2	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	52	KC775827	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	53	KC775828	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	54	KC775829	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	55	KC775830	H3	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	56	KC775831	H2	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	1	AJ422212	H1	Stevens <i>et al.</i>	18-Dec-2001	Europe, UK
	2	JF706158	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	3	JF706159	H5	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	4	JF706160	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	5	JF706161	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	6	JF706162	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	7	JF706163	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	8	JF706164	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	9	JF706165	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	10	JF706166	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	11	JF706167	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	12	JF706168	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	13	JF706169	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	14	JQ307810	H1	Godfrey & Smith	17-Dec-2011	Europe, UK
	15	JX913754	H2	Nelson <i>et al.</i>	07-Oct-2012	Oceania, Australia
	16	JX913755	H1	Nelson <i>et al.</i>	07-Oct-2012	Oceania, Australia
	17	JX913756	H1	Nelson <i>et al.</i>	07-Oct-2012	Oceania, Australia
	18	JX913757	H2	Nelson <i>et al.</i>	07-Oct-2012	America, USA
	19	KC775842	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	20	KC775843	H3	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	21	KC775844	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	22	KC775845	H3	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	23	KC775846	H6	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	24	KC775847	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	25	KC775848	H1	GilAmortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	26	NC009733	H1	Stevens <i>et al.</i>	07-Aug-2007	Europe, UK
	1	JF706152	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	2	JF706153	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	3	JF706154	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	4	JF706155	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	5	JF706156	H2	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal
	6	JQ307807	H1	Godfrey & Smith	17-Dec-2011	Europe, UK
	1	JF706157	H1	GilAmortua <i>et al.</i>	17-Mar-2011	Europe, Portugal

	2	JQ307808	H1	Godfrey & Smith	17-Dec-2011	Europe, UK
	3	KC775832	H10	GilArriortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	4	KC775833	H5	GilArriortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	5	KC775835	H5	GilArriortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	6	KC775836	H9	GilArriortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	7	KC775838	H4	GilArriortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	8	KC775839	H4	GilArriortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	9	KC775840	H4	GilArriortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	10	KC775841	H4	GilArriortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
<i>L. illustris</i>	1	JQ307809	H1	Godfrey & Smith	17-Dec-2011	Europe, UK
	2	KC775834	H5	GilArriortua <i>et al.</i>	12-Mar-2013	Europe, Portugal
	3	KC775837	H1	GilArriortua <i>et al.</i>	12-Mar-2013	Europe, Portugal

**Table 47.** GenBank ITS2 (310-343 bp) sequences employed in the analysis. Species, number of specimens (NS), accession number (AN), variants (Vt), authors, submission date (SD) and origin.

Species	NS	AN	H	Authors	SD	Origin
<i>Ch. albiceps</i>	1	EF560172	Vt1	Marinho <i>et al.</i>	16-Apr-2007	America, Brazil
	2	EF560173	Vt1	Marinho <i>et al.</i>	16-Apr-2007	America, Uruguay
	3	KF679781	Vt1	Oshaghi & Mostafavi	17-Sep-2013	Iran
	4	KF997758	Vt1	Grella <i>et al.</i>	21-Dec-2013	Brazil
	5	KF997759	Vt1	Grella <i>et al.</i>	21-Dec-2013	Brazil
	6	KF997760	Vt1	Grella <i>et al.</i>	21-Dec-2013	Brazil
	7	KF997761	Vt2	Grella <i>et al.</i>	21-Dec-2013	Brazil
	8	KF997762	Vt2	Grella <i>et al.</i>	21-Dec-2013	Brazil
	9	KF997763	Vt2	Grella <i>et al.</i>	21-Dec-2013	Brazil
<i>C. vicina</i>	1	AF498022	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	2	AF498023	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	3	AF498024	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	4	AF498025	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	5	AF498026	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	6	EF560178	Vt1	Marinho <i>et al.</i>	16-Apr-2007	Europe, France
	7	KF225258	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	8	KF225259	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	9	KF225260	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	10	KF225261	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	11	KF225262	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	12	KF225263	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	13	KF225264	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	14	KF225265	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	15	KF225266	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	16	KF225267	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	17	KF225268	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	18	KF225269	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	19	KF225270	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	20	KF225271	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	21	KF225272	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	22	KF225273	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	23	KF225274	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	24	KF225275	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	25	KF225276	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	26	KF225277	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	27	KF225278	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	28	KF225279	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	29	KF225280	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	30	KF225281	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	31	KF225282	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	32	KF225283	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	33	KF225284	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	34	KF225285	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	35	KF225286	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	36	KF225287	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	37	KF225288	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	38	KF225289	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	39	KF225290	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	40	KF225291	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	41	KF225292	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	42	KF679779	Vt1	Oshaghi & Mostafavi	17-Sep-2013	Iran
<i>C. vomitoria</i>	1	AF498018	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	2	AF498019	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	3	AF498020	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK

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	4	AF498021	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	5	EF560179	Vt2	Marinho <i>et al.</i>	16-Apr-2007	Europe, Belgium
	1	EF560187	Vt1	Marinho <i>et al.</i>	16-Apr-2007	Europe, France
	2	FJ614858	Vt1	Zaidi & Chen	08-JAN-2009	China
	3	FJ614859	Vt1	Zaidi & Chen	08-JAN-2009	China
	4	FJ614860	Vt2	Zaidi & Chen	08-JAN-2009	China
	5	KC794653	Vt3	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	6	KC794655	Vt2	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	7	KC794657	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	8	KC794658	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	9	KC794659	Vt2	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	10	KC794660	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	11	KC794661	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	12	KC794662	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	13	KC794663	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	14	KC794664	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	15	KC794665	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	16	KC794666	Vt2	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	17	KC794667	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	18	KC794668	Vt2	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	19	KC794670	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	20	KC794671	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	21	KF225298	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	22	KF225299	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	23	KF679780	Vt2	Oshagi & Mostafavi	17-Sep-2013	Iran
	1	AF498027	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	2	AF498028	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	3	AF498029	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	4	AF498030	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	5	JX295788	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, Belgium
	6	JX295789	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, Belgium
	7	KC794672	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	8	KC794673	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	9	KC794674	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	10	KC794675	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	11	KF225293	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	12	KF225294	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	13	KF225295	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	14	KF225296	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	15	KF225297	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	1	AF498031	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	2	AF498032	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	3	AF498033	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	4	AF498034	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	5	JX295790	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, Poland
	6	JX295791	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, Poland
	7	JX295792	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, UK
	8	JX295793	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, UK
	9	JX295794	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, UK
	10	JX295795	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, Germany
	11	JX295796	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, Germany
	12	KC794676	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	13	KC794677	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	14	KC794678	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	15	KC794679	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	16	KC794680	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	17	KC794681	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	18	KC794682	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	19	KC794683	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	20	KC794684	Vt1	GilArriortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	21	KF225300	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	22	KF225301	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	23	KF225302	Vt1	GilArriortua <i>et al.</i>	11-Jun-2013	Europe, Germany
	1	AF498035	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	2	AF498036	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	3	AF498037	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	4	AF498038	Vt1	Pickles <i>et al.</i>	02-Apr-2002	Europe, UK
	5	JX295799	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, France
	6	JX295801	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, Belgium
	7	JX295802	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, Belgium
	8	JX295803	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, Germany



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	9	JX295804	Vt1	Sonet <i>et al.</i>	10-Jul-2012	Europe, Belgium
	10	KC794685	Vt1	GilAmortua <i>et al.</i>	15-Mar-2013	Europe, Portugal
	11	KC794686	Vt1	GilAmortua <i>et al.</i>	15-Mar-2013	Europe, Portugal













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	851		860		870		880		890		900																																											
1	G	A	T	A	C	T	C	G	A	G	C	A	T	A	T	T	T	A	C	T	T	C	A	G	C	T	A	C	A	A	T	A	A	T	T	A	T	T	G	C	T	G	T	A	C	C	A	A	C					
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	951		960		970		980		990		1000																																											
1	A	T	T	A	C	T	C	C	C	C	A	G	C	T	A	C	C	T	T	A	T	G	A	G	C	T	T	T	A	G	G	A	T	T	T	G	T	A	T	T	T	T	A	T	T	T	A	C	T					
2	.	.	.	C	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
3	.	.	.	C	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
4	.	C	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
5	.	.	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
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7	.	C	.	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
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*Material suplementario / Supplementary material*

	1001					1010					1020					1030					1040					1050																											
1	G	T	A	G	G	A	G	G	A	T	T	A	A	C	T	G	G	A	G	T	T	G	T	T	T	A	G	C	T	A	A	T	T	C	A	T	C	T	A	T	T	G	A	T	A	T	T	A	T				
2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
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	1051					1060					1070					1080					1090					1100																														
1	T	T	T	A	C	A	T	G	A	T	A	C	A	T	A	T	T	A	T	G	T	A	G	T	A	G	C	T	C	A	C	T	T	C	C	A	T	T	A	T	G	T	T	C	T	T	T	C	A	A						
2	.	.	C	.	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
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	1101					1110					1120					1130					1140					1150																															
1	T	A	G	G	A	G	C	T	G	T	A	T	T	C	G	C	T	A	T	T	A	T	A	G	C	A	G	G	A	T	T	C	G	T	T	C	A	T	T	G	A	T	T	C	C	C	A	T	T	A							
2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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**Material suplementario / Supplementary material**

	1151	1160	1170	1180	1190	1200
1	T T T A C T G G A	T T A A C T C T A A	A T A A T A A A A T	A C T A A A A G T	C A A T T T G C T A T	
2	. . . . A . . . .	. . . . . T . . . . .	. . . . . G G . . . . .	. . . . . T . . . . .	. . . . . A . . . . .	. . . . .
3	. . . . . A . . . . .	. . . . . T . . . . .	. . . . . C G G . . . . .	. . . . . G . . . . .	. . . . . A . . . . .	. . . . .
4	. . . . . A . . . . .	. . . . . T . . . . .	. . . . . C . . . . .	. . . . . G . . . . .	. . . . . T . . . . .	. . . . .
5	. . . . . A . . . . .	. . . . . T . . . . .	. . . . . C . . . . .	. . . . . . . . . .	. . . . . C A . . . . .	. . . . .
6	. . . . . A . . . . .	. . . . . T . . . . .	. . . . . G C A . . . . .	. . . . . G . . . . .	. . . . . . . . . .	. . . . .
7	. . . . . A . . . . .	. . . . . T . . . . .	. . . . . C . . . . .	. . . . . . . . . .	. . . . . . . . . .	. . . . .
8	. . . . . A . . . . .	. . . . . C . . . . .	. . . . . T . . . . .	. . . . . G C A . . . . .	. . . . . G . . . . .	. . . . . A . . . . .
9	. . . . . A . . . . .	. . . . . C . . . . .	. . . . . T . . . . .	. . . . . G C A . . . . .	. . . . . G . . . . .	. . . . . A . . . . .
10	. . C . . C . . . . .	. . . . . A T . . . . .	. . . . . C A . . . . .	. . . . . T . . . . .	. . . . . . . . . .	. . . . . A . . G . .
	1201	1210	1220	1230	1240	1250
1	T A T A T T T A T T	G G A G T A A A T T	T A A C A T T C T T	T C C T C A A C A T	T T T T T A G G A T	
2	. . . . . . . . . . .	. . . . . G . . . . .	. . . . . T . . . . .	. . . . . A . . . . .	. . . . . C . . . . .	. . . . . C . . . . .
3	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . A . . . . .	. . . . . T . . . . .	. . . . . C . . . . .
4	. . . . . . . . . . .	. . . . . G . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . C . . . . .	. . . . . C . . . . .
5	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . C . . . . .	. . . . . . . . . . .
6	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . T . . . . .	. . . . . C . . . . .	. . . . . C . . . . .
7	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . T . . . . .	. . . . . C . . . . .
8	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . T . . . . .	. . . . . C . . . . .
9	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . T . . . . .	. . . . . C . . . . .
10	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . C . . . . .	. . . . . C . . . . .	. . . . . . . . . . .
	1251	1260	1270	1274		
1	T A G C T G G T A T	A C C T C G A C G A	T A T T			
2	. G . . A . . A . . . . .	. . . . . . . . . . .	. . . . . C . . . . .	. . . . .		
3	. . . . A . . A . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . .		
4	. . . . A . . A . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . .		
5	. . . . A . . A . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . .		
6	. . . . G . . G . . . . .	. . . . . . . . . . .	. . . . . G . . . . .	. . . . .		
7	. . . . A . . A . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . .		
8	. . . . A . . A . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . .		
9	. . . . A . . A . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . C . . . . .		
10	. . . . A . . A . . . . .	. . . . . . . . . . .	. . . . . . . . . . .	. . . . . C . . . . .		





	301	307
1	A	T T A C C A
2	C	C . T . . .
3	T	C . T . . .
4	T	. . . . .
5	T	C . T . . .
6	.	C . T . . .
7	T	C . . . . .
8	C	C . T . . .
9	C	C . T . . .
10	T	. . . . .
	.	. . .









**Material suplementario / Supplementary material**

**Table S51.** Pairwise sequence divergence between the studied Calliphoridae (*Ch. albiceps*<sup>a</sup>, *C. vicina*<sup>a</sup>, *C. vomitoria*<sup>a</sup>, *L. sericata*<sup>a</sup>, *L. richardsi*<sup>a</sup>, *L. ampullacea*<sup>a</sup>, *L. silvarum*<sup>a</sup>, *L. caesar*<sup>a</sup>, *L. illustris*<sup>a</sup> and *L. bufonivora*<sup>a</sup>) haplotypes for the COI barcode (658 bp). GenBank database sequences for the studied species were included for comparison purposes. The brackets in the superscript indicate more than one sequence with same haplotype (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1	<i>Ch. albiceps</i> <sup>a</sup>	—	0.0	0.2	0.2	9.1	9.1	9.0	9.0	9.0	9.0	9.3	9.3	9.3	9.3	9.1	9.1	9.3	9.3	9.0	9.0	9.0	9.3	9.3	9.3	8.8	8.8	9.4	9.1	9.1	9.4	
2	<i>Ch. albiceps</i> <sup>b</sup>	0	—	0.2	0.2	9.1	9.1	9.0	9.0	9.0	9.0	9.3	9.3	9.3	9.3	9.1	9.1	9.3	9.3	9.0	9.0	9.0	9.3	9.3	9.3	8.8	8.8	9.4	9.1	9.1	9.4	
3	<i>Ch. albiceps</i> <sup>b</sup>	1	1	—	0.3	9.3	9.3	9.1	9.1	9.1	9.1	9.4	9.4	9.4	9.4	9.3	9.3	9.4	9.4	9.1	9.1	9.1	9.4	9.4	9.4	9.0	9.0	9.6	9.3	9.3	9.6	
4	<i>Ch. albiceps</i> <sup>c</sup>	1	1	2	—	9.3	9.3	9.1	9.1	9.1	9.1	9.4	9.4	9.4	9.4	9.3	9.3	9.4	9.4	9.1	9.1	9.1	9.4	9.4	9.4	9.0	9.0	9.6	9.3	9.3	9.6	
5	<i>C. vicina</i> <sup>a</sup>	60	60	61	61	—	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	
6	<i>C. vicina</i> <sup>a</sup>	60	60	61	61	0	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	
7	<i>C. vicina</i> <sup>b</sup>	59	59	60	60	1	1	—	0.0	0.3	0.3	0.3	0.3	0.3	0.6	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.5	0.2	0.2	0.5	
8	<i>C. vicina</i> <sup>b</sup>	59	59	60	60	1	1	0	—	0.3	0.3	0.3	0.3	0.3	0.6	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.5	0.2	0.2	0.5	
9	<i>C. vicina</i> <sup>c</sup>	59	59	60	60	1	1	2	2	—	0.0	0.3	0.3	0.3	0.6	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	
10	<i>C. vicina</i> <sup>c</sup>	59	59	60	60	1	1	2	2	0	—	0.3	0.3	0.3	0.6	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	
11	<i>C. vicina</i> <sup>d</sup>	61	61	62	62	1	1	2	2	2	2	—	0.0	0.3	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.2	0.5
12	<i>C. vicina</i> <sup>d</sup>	61	61	62	62	1	1	2	2	2	2	0	—	0.3	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.2	0.2
13	<i>C. vicina</i> <sup>e</sup>	61	61	62	62	1	1	2	2	2	2	2	2	—	0.6	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.2	0.5	0.5
14	<i>C. vicina</i> <sup>f</sup>	61	61	62	62	3	3	4	4	4	4	2	2	4	—	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.5	0.8
15	<i>C. vicina</i> <sup>g</sup>	60	60	61	61	2	2	1	1	3	3	3	3	3	5	—	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.6	0.3	0.3	0.3
16	<i>C. vicina</i> <sup>g</sup>	60	60	61	61	2	2	1	1	3	3	3	3	3	5	0	—	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.6	0.3	0.3	0.3
17	<i>C. vicina</i> <sup>h</sup>	61	61	62	62	1	1	2	2	2	2	2	2	2	4	3	3	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	
18	<i>C. vicina</i> <sup>i</sup>	61	61	62	62	1	1	2	2	2	2	2	2	2	4	3	3	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	
19	<i>C. vicina</i> <sup>j</sup>	59	59	60	60	1	1	2	2	2	2	2	2	2	4	3	3	2	—	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	
20	<i>C. vicina</i> <sup>k</sup>	59	59	60	60	1	1	2	2	2	2	2	2	2	4	3	3	2	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	
21	<i>C. vicina</i> <sup>l</sup>	59	59	60	60	1	1	2	2	2	2	2	2	2	4	3	3	2	2	2	—	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	
22	<i>C. vicina</i> <sup>m</sup>	61	61	62	62	1	1	2	2	2	2	2	2	2	4	3	3	2	2	2	2	—	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	
23	<i>C. vicina</i> <sup>m</sup>	61	61	62	62	1	1	2	2	2	2	2	2	2	4	3	3	2	2	2	2	2	—	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	
24	<i>C. vicina</i> <sup>n</sup>	61	61	62	62	1	1	2	2	2	2	2	2	2	4	3	3	2	2	2	2	2	2	—	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
25	<i>C. vicina</i> <sup>o</sup>	58	58	59	59	2	2	1	1	3	3	3	3	3	5	2	2	3	3	3	3	3	3	3	—	0.0	0.6	0.3	0.3	0.6		
26	<i>C. vicina</i> <sup>o</sup>	58	58	59	59	2	2	1	1	3	3	3	3	3	5	2	2	3	3	3	3	3	3	3	3	0	—	0.6	0.3	0.3	0.6	
27	<i>C. vicina</i> <sup>p</sup>	62	62	63	63	2	2	3	3	3	3	3	3	3	5	4	4	3	3	3	3	3	3	3	3	3	4	4	—	0.6	0.6	
28	<i>C. vicina</i> <sup>q</sup>	60	60	61	61	2	2	1	1	3	3	3	3	3	5	2	2	3	3	3	3	3	3	3	3	3	2	2	4	—	0.3	0.6
29	<i>C. vicina</i> <sup>r</sup>	60	60	61	61	2	2	1	1	3	3	3	3	3	5	2	2	3	3	3	3	3	3	3	3	3	2	2	4	2	—	0.6
30	<i>C. vicina</i> <sup>s</sup>	62	62	63	63	2	2	3	3	3	3	3	3	3	5	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	—	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51. (Continued)**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
31 <i>C. vicina</i> <sup>t</sup>	60	60	61	61	2	2	1	1	3	3	3	1	3	5	2	2	3	3	3	3	3	3	3	3	2	2	4	2	2	4	
32 <i>C. vicina</i> <sup>u</sup>	60	62	61	61	1	1	2	2	2	2	2	2	2	4	3	3	2	2	1	1	2	2	2	2	3	3	3	3	3	3	
33 <i>C. vicina</i> <sup>v</sup>	62	62	63	62	2	2	3	3	3	3	3	3	3	5	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	
34 <i>C. vicina</i> <sup>w</sup>	60	60	61	61	2	2	1	1	3	3	3	3	3	5	2	2	3	3	3	3	3	3	3	1	3	2	2	4	2	2	4
35 <i>C. vicina</i> <sup>x</sup>	60	60	61	61	2	2	1	1	3	3	3	3	3	5	2	2	3	3	3	3	3	3	3	3	2	2	4	2	2	4	
36 <i>C. vicina</i> <sup>y</sup>	62	62	63	63	2	2	3	3	3	3	1	1	3	3	4	4	1	3	3	3	3	3	3	3	4	4	4	4	2	4	
37 <i>C. vicina</i> <sup>z</sup>	58	58	59	59	2	2	1	1	1	1	3	3	3	5	2	2	3	3	3	3	3	3	3	3	2	2	4	2	2	4	
38 <i>C. vicina</i> <sup>aa</sup>	58	58	59	59	2	2	1	1	3	3	3	3	3	5	2	2	3	3	1	1	3	3	3	3	2	2	4	2	2	4	
39 <i>C. vicina</i> <sup>ab</sup>	60	60	61	61	2	2	3	3	3	3	3	3	3	5	4	4	3	3	1	1	3	3	3	3	4	4	4	4	4	4	
40 <i>C. vicina</i> <sup>ac</sup>	62	62	63	63	2	2	3	3	3	3	1	1	3	3	4	4	3	3	3	3	3	3	3	3	4	4	4	4	2	4	
41 <i>C. vicina</i> <sup>ad</sup>	60	60	61	61	2	2	1	1	3	3	3	3	3	5	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	4	
42 <i>C. vicina</i> <sup>ae</sup>	60	60	61	61	2	2	1	1	3	3	3	3	3	5	2	2	3	3	3	3	3	3	3	3	2	2	4	2	2	4	
43 <i>C. vicina</i> <sup>af</sup>	61	61	62	62	3	3	4	4	4	4	4	4	4	6	5	5	4	4	2	2	4	4	4	4	5	5	5	5	5	5	
44 <i>C. vicina</i> <sup>ag</sup>	63	63	64	64	3	3	4	4	4	4	4	4	4	6	5	5	4	4	4	4	4	4	4	4	5	5	3	5	5	5	
45 <i>C. vicina</i> <sup>ah</sup>	58	58	59	59	3	3	2	2	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	3	3	5	3	3	5	
46 <i>C. vicina</i> <sup>ai</sup>	60	60	61	61	3	3	2	2	4	4	4	4	4	6	3	3	4	4	4	4	4	4	4	4	3	3	5	3	3	5	
47 <i>C. vomitoria</i> <sup>(a)</sup>	62	62	63	62	28	28	29	29	27	27	27	27	27	27	30	30	29	29	27	27	29	29	29	29	28	28	28	28	28	30	
48 <i>C. vomitoria</i> <sup>(a)</sup>	62	62	63	62	28	28	29	29	27	27	27	27	27	27	30	30	29	29	27	27	29	29	29	29	28	28	28	28	28	30	
49 <i>C. vomitoria</i> <sup>(b)</sup>	63	63	64	63	29	29	30	30	28	28	30	30	28	30	31	31	30	30	28	28	30	28	30	29	29	29	29	29	31	31	
50 <i>C. vomitoria</i> <sup>(b)</sup>	63	63	64	63	29	29	30	30	28	28	30	30	28	30	31	31	30	30	28	28	30	28	30	29	29	29	29	29	31	31	
51 <i>C. vomitoria</i> <sup>(c)</sup>	62	62	63	62	28	28	29	29	27	27	29	29	27	29	30	30	29	29	27	27	29	29	29	28	28	28	28	28	30	30	
52 <i>C. vomitoria</i> <sup>(d)</sup>	63	63	64	63	29	29	30	30	28	28	28	28	28	31	31	30	30	28	28	30	30	30	30	29	29	29	29	29	29	31	
53 <i>C. vomitoria</i> <sup>(e)</sup>	56	56	57	56	26	26	27	27	25	25	27	27	27	29	28	28	27	27	25	25	27	27	27	27	26	26	28	28	28	28	
54 <i>L. sericata</i> <sup>(a)</sup>	68	68	69	69	42	42	43	43	41	41	41	41	43	43	44	44	43	43	41	41	41	41	43	43	42	42	42	44	42	42	
55 <i>L. sericata</i> <sup>(a)</sup>	68	68	69	69	42	42	43	43	41	41	41	41	43	43	44	44	43	43	41	41	41	41	43	43	42	42	42	44	42	42	
56 <i>L. sericata</i> <sup>(b)</sup>	67	67	68	68	43	43	42	42	42	42	42	42	44	44	43	43	44	44	42	42	42	42	44	44	41	41	43	43	41	43	
57 <i>L. sericata</i> <sup>(b)</sup>	67	67	68	68	43	43	42	42	42	42	42	42	44	44	43	43	44	44	42	42	42	42	44	44	41	41	43	43	41	43	
58 <i>L. sericata</i> <sup>(c)</sup>	69	69	70	70	43	43	44	44	42	42	42	42	44	44	45	45	44	44	42	42	42	42	44	44	43	43	43	45	43	43	
59 <i>L. sericata</i> <sup>(c)</sup>	69	69	70	70	43	43	44	44	42	42	42	42	44	44	45	45	44	44	42	42	42	42	44	44	43	43	43	45	43	43	
60 <i>L. sericata</i> <sup>(d)</sup>	67	67	68	68	43	43	44	44	42	42	42	42	44	44	45	45	44	44	42	42	42	42	44	44	43	43	43	45	43	43	

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX; <sup>j</sup>Haplotype HX; <sup>k</sup>Haplotype HXI; <sup>l</sup>Haplotype HXII; <sup>m</sup>Haplotype HXIII; <sup>n</sup>Haplotype HXIV; <sup>o</sup>Haplotype HXV; <sup>p</sup>Haplotype HXVI; <sup>q</sup>Haplotype HXVII; <sup>r</sup>Haplotype HXVIII; <sup>s</sup>Haplotype HXIX; <sup>t</sup>Haplotype HXX; <sup>u</sup>Haplotype HXXI; <sup>v</sup>Haplotype HXXII; <sup>w</sup>Haplotype HXXIII; <sup>x</sup>Haplotype HXXIV; <sup>y</sup>Haplotype HXXV; <sup>z</sup>Haplotype HXXVI; <sup>aa</sup>Haplotype HXXVII; <sup>ab</sup>Haplotype HXXVIII; <sup>ac</sup>Haplotype HXXIX; <sup>ad</sup>Haplotype HXXX; <sup>ae</sup>Haplotype HXXXI; <sup>af</sup>Haplotype HXXXII; <sup>ag</sup>Haplotype HXXXIII; <sup>ah</sup>Haplotype HXXXIV.

Table S51. (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
61 <i>L. sericata</i> <sup>(a)</sup>	67	67	68	68	43	43	44	44	42	42	42	42	44	44	45	45	44	44	42	42	42	42	44	44	43	43	43	45	43	43	
62 <i>L. sericata</i> <sup>(e)</sup>	69	69	70	70	43	43	44	44	42	42	42	42	44	44	45	45	44	42	42	42	42	44	44	43	43	43	45	43	43		
63 <i>L. sericata</i> <sup>(e)</sup>	69	69	70	70	43	43	44	44	42	42	42	42	44	44	45	45	44	42	42	42	42	44	44	43	43	43	45	43	43		
64 <i>L. sericata</i> <sup>(h)</sup>	69	69	70	70	43	43	44	44	42	42	42	42	44	44	45	45	44	44	42	42	42	42	44	44	43	43	43	45	43	43	
65 <i>L. sericata</i> <sup>(g)</sup>	69	69	70	70	43	43	44	44	42	42	42	42	44	44	45	45	44	44	42	42	42	42	44	44	43	43	43	45	43	43	
66 <i>L. sericata</i> <sup>(h)</sup>	69	69	70	70	43	43	44	44	42	42	42	42	44	44	45	45	44	44	42	42	42	42	44	44	43	43	43	45	43	43	
67 <i>L. sericata</i> <sup>(t)</sup>	69	69	70	70	43	43	44	44	42	42	42	42	44	44	45	45	44	44	42	42	42	42	44	44	43	43	43	45	43	43	
68 <i>L. sericata</i>	67	67	68	68	41	41	42	42	40	40	40	40	42	42	43	43	42	42	40	40	40	40	42	42	41	41	41	43	41	41	
69 <i>L. sericata</i> <sup>(k)</sup>	69	69	70	70	43	43	44	44	42	42	42	42	44	44	45	45	44	44	42	42	42	42	44	44	43	43	41	41	45	43	43
70 <i>L. sericata</i>	67	67	68	68	41	41	42	42	40	40	42	42	44	44	43	43	42	42	40	40	40	40	42	42	41	41	41	43	43	41	
71 <i>L. sericata</i> <sup>(m)</sup>	68	68	69	69	44	44	45	45	43	43	43	43	45	45	46	46	45	45	43	43	43	43	45	45	44	44	44	46	44	44	
72 <i>L. sericata</i> <sup>(h)</sup>	70	70	71	71	44	44	45	45	43	43	43	43	45	45	46	46	45	45	43	43	43	43	45	45	44	44	44	46	44	44	
73 <i>L. sericata</i> <sup>(o)</sup>	68	68	69	69	42	42	43	43	41	41	41	41	43	43	44	44	43	43	41	41	41	41	43	43	42	42	44	42	42	42	
74 <i>L. sericata</i> <sup>(p)</sup>	68	68	69	69	44	44	45	45	43	43	43	43	45	45	46	46	45	45	43	43	43	43	45	45	44	44	44	46	44	44	
75 <i>L. richardsi</i> <sup>(a)</sup>	80	80	81	80	43	43	44	44	44	44	42	42	44	45	45	43	44	42	42	44	42	44	44	44	44	44	43	43	43	45	
76 <i>L. richardsi</i> <sup>(b)</sup>	80	80	81	80	43	43	44	44	44	44	42	42	44	45	45	43	44	42	42	44	42	44	44	44	44	44	43	43	43	45	
77 <i>L. ampullacea</i> <sup>(a)</sup>	72	72	73	73	47	47	48	48	48	48	48	48	48	48	49	49	48	48	46	46	48	46	48	48	47	47	47	49	49	48	
78 <i>L. ampullacea</i> <sup>(a)</sup>	72	72	73	73	47	47	48	48	48	48	48	48	48	48	49	49	48	48	46	46	48	46	48	48	47	47	47	49	49	48	
79 <i>L. ampullacea</i> <sup>(b)</sup>	73	73	74	74	48	48	49	49	49	49	49	49	49	49	50	50	49	49	47	47	49	47	49	49	48	48	48	50	50	49	
80 <i>L. ampullacea</i> <sup>(c)</sup>	72	72	73	73	48	48	49	49	49	49	49	49	49	49	50	50	49	49	47	47	49	47	49	49	48	48	48	50	50	49	
81 <i>L. ampullacea</i> <sup>(d)</sup>	72	72	73	73	47	47	48	48	48	48	48	48	48	48	49	49	48	48	46	46	48	46	48	48	47	47	47	49	49	48	
82 <i>L. ampullacea</i> <sup>(e)</sup>	72	72	73	73	47	47	48	48	48	48	48	48	48	48	49	49	48	48	46	46	48	46	48	48	47	47	47	49	49	48	
83 <i>L. ampullacea</i> <sup>(f)</sup>	74	74	75	75	49	49	50	50	50	50	50	50	50	51	51	50	50	48	48	50	48	50	50	49	49	49	51	51	50		
84 <i>L. silvarum</i> <sup>(a)</sup>	75	75	76	75	41	41	42	42	42	42	42	42	40	44	43	43	41	42	40	40	42	40	42	42	41	41	41	41	43	43	
85 <i>L. silvarum</i> <sup>(b)</sup>	74	74	75	74	42	42	43	43	43	43	43	43	41	45	44	44	42	43	41	41	43	41	43	43	42	42	42	44	44		
86 <i>L. silvarum</i> <sup>(c)</sup>	76	76	77	76	42	42	43	43	43	43	43	43	41	45	44	44	42	43	41	41	43	41	43	43	42	42	42	44	42	42	
87 <i>L. caesar</i> <sup>(e)</sup>	57	57	58	57	39	39	38	38	40	40	40	40	40	40	39	39	40	40	38	38	40	38	40	40	37	37	39	39	39	39	
88 <i>L. caesar</i> <sup>(a)</sup>	57	57	58	57	39	39	38	38	40	40	40	40	40	40	39	39	40	40	38	38	40	38	40	40	37	37	39	39	39	39	
89 <i>L. caesar</i> <sup>(b)</sup>	58	58	59	58	38	38	39	39	39	39	39	39	39	39	40	40	39	37	37	39	37	39	39	38	38	38	40	40	38		
90 <i>L. caesar</i> <sup>(c)</sup>	63	63	64	63	43	43	44	44	44	44	44	44	44	44	45	45	44	44	42	42	44	42	44	44	43	43	43	45	45	43	

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX; <sup>j</sup>Haplotype HX; <sup>k</sup>Haplotype HXI; <sup>l</sup>Haplotype HXII; <sup>m</sup>Haplotype HXIII; <sup>n</sup>Haplotype HXIV; <sup>o</sup>Haplotype HXV; <sup>p</sup>Haplotype HXVI; <sup>q</sup>Haplotype HXVII; <sup>r</sup>Haplotype HXVIII; <sup>s</sup>Haplotype HXIX; <sup>t</sup>Haplotype HXX; <sup>u</sup>Haplotype HXXI; <sup>v</sup>Haplotype HXXII; <sup>w</sup>Haplotype HXXIII; <sup>x</sup>Haplotype HXXIV; <sup>y</sup>Haplotype HXXV; <sup>z</sup>Haplotype HXXVI; <sup>aa</sup>Haplotype HXXVII; <sup>ab</sup>Haplotype HXXVIII; <sup>ac</sup>Haplotype HXXIX; <sup>ad</sup>Haplotype HXXX; <sup>ae</sup>Haplotype HXXXI; <sup>af</sup>Haplotype HXXXII; <sup>ag</sup>Haplotype HXXXIII; <sup>ah</sup>Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51. (Continued)**

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
91	<i>L. caesa</i> <sup>d</sup>	59	59	60	59	41	41	42	42	42	42	42	42	42	42	43	43	42	42	40	40	42	40	42	42	41	41	41	43	43	41	
92	<i>L. caesa</i> <sup>d</sup>	59	59	60	59	41	41	42	42	42	42	42	42	42	42	43	43	42	42	40	40	42	40	42	42	41	41	41	43	43	41	
93	<i>L. caesa</i> <sup>e</sup>	60	60	61	60	40	40	41	41	41	41	41	41	41	41	42	42	41	41	39	39	41	39	41	41	40	40	40	42	42	40	
94	<i>L. caesa</i> <sup>e</sup>	60	60	61	60	40	40	41	41	41	41	41	41	41	41	42	42	41	41	39	39	41	39	41	41	40	40	40	42	42	40	
95	<i>L. caesa</i> <sup>f</sup>	61	61	62	61	41	41	42	42	42	42	42	42	42	42	43	43	42	42	40	40	42	40	42	42	41	41	41	43	43	41	
96	<i>L. caesa</i> <sup>f</sup>	58	58	59	58	40	40	39	39	41	41	41	41	39	41	40	40	41	41	39	39	41	39	41	41	38	38	40	38	40	40	
97	<i>L. caesa</i> <sup>f</sup>	60	60	61	60	40	40	41	41	41	41	41	41	41	41	42	42	41	41	39	39	41	39	41	41	40	40	40	42	42	40	
98	<i>L. caesa</i> <sup>f</sup>	64	64	65	64	44	44	45	45	45	45	45	45	45	45	46	46	45	45	43	43	45	43	45	45	44	44	44	46	46	44	
99	<i>L. caesa</i> <sup>g</sup>	60	60	61	60	42	42	41	41	43	43	43	43	43	43	45	42	42	43	43	41	41	43	43	43	43	40	40	42	42	42	42
100	<i>L. caesa</i> <sup>g</sup>	57	57	58	57	40	40	39	39	41	41	41	41	41	41	40	40	41	41	39	39	41	39	41	41	38	38	40	40	40	40	
101	<i>L. caesa</i> <sup>h</sup>	58	58	59	58	40	40	39	39	41	41	41	41	41	41	40	40	41	41	39	39	41	39	41	41	38	38	40	40	40	40	
102	<i>L. caesa</i> <sup>h</sup>	58	58	59	58	39	39	38	38	40	40	40	40	40	40	39	39	40	40	38	38	40	38	40	40	37	37	39	39	39	39	
103	<i>L. caesa</i> <sup>h</sup>	56	56	57	56	40	40	39	39	41	41	41	41	41	41	40	40	41	41	39	39	41	39	41	41	38	38	40	40	40	40	
104	<i>L. caesa</i> <sup>i</sup>	58	58	59	58	40	40	39	39	41	41	41	41	41	41	40	40	41	41	39	39	41	39	41	41	38	38	40	40	40	40	
105	<i>L. caesa</i> <sup>i</sup>	57	57	58	57	39	39	40	40	40	40	40	40	40	41	41	40	40	38	38	40	38	40	40	39	39	39	41	41	39	39	
106	<i>L. caesa</i> <sup>i</sup>	59	59	60	59	39	39	40	40	40	40	40	40	40	40	41	41	40	40	38	38	40	38	40	40	39	39	39	41	41	39	
107	<i>L. caesa</i> <sup>i</sup>	59	59	60	59	39	39	40	40	40	40	40	40	40	40	41	41	40	40	38	38	40	38	40	40	39	39	39	41	41	39	
108	<i>L. caesa</i> <sup>j</sup>	60	60	61	60	40	40	41	41	41	41	41	41	41	41	41	42	42	41	41	39	39	41	39	41	41	40	40	42	42	40	
109	<i>L. caesa</i> <sup>j</sup>	58	58	59	58	40	40	41	41	41	41	41	41	41	41	41	41	41	41	39	39	41	39	41	41	40	40	40	42	42	40	
110	<i>L. caesa</i> <sup>k</sup>	60	60	61	60	40	40	41	41	41	41	41	41	41	41	41	42	42	41	41	39	39	41	39	41	41	40	40	42	42	40	
111	<i>L. caesa</i> <sup>k</sup>	59	59	60	59	41	41	42	42	42	42	42	42	42	42	43	43	42	42	40	40	42	40	42	42	41	41	41	43	43	41	
112	<i>L. caesa</i> <sup>k</sup>	61	61	62	61	43	43	42	42	44	44	44	44	44	44	44	44	44	44	44	42	42	44	42	44	44	41	41	41	43	43	43
113	<i>L. caesa</i> <sup>k</sup>	60	60	61	60	42	42	43	43	43	43	43	43	43	42	43	44	44	43	43	41	41	43	41	43	43	42	42	42	43	44	42
114	<i>L. caesa</i> <sup>k</sup>	62	62	63	62	42	42	43	43	43	43	43	43	43	43	44	44	44	43	43	41	41	43	41	43	43	42	42	42	44	44	42
115	<i>L. caesa</i> <sup>k</sup>	62	62	63	62	42	42	43	43	43	43	43	43	43	43	44	44	44	43	43	41	41	43	41	43	43	42	42	42	44	44	42
116	<i>L. caesa</i> <sup>k</sup>	62	62	63	62	42	42	43	43	43	43	43	43	43	43	44	44	44	43	43	41	41	43	41	43	43	42	42	42	44	44	42
117	<i>L. caesa</i> <sup>k</sup>	63	63	64	63	43	43	44	44	44	44	44	44	44	44	45	45	44	44	42	42	44	42	44	42	43	43	43	45	45	43	
118	<i>L. caesa</i> <sup>k</sup>	59	59	60	59	41	41	40	40	42	42	42	42	42	44	41	41	42	42	40	40	42	42	42	42	39	39	41	41	41	41	
119	<i>L. caesa</i> <sup>k</sup>	64	64	65	64	44	44	45	45	45	45	45	45	45	45	46	46	45	45	43	43	45	43	45	45	44	44	44	46	46	44	
120	<i>L. caesa</i> <sup>k</sup>	64	64	65	64	44	44	45	45	45	45	45	43	43	45	43	46	46	45	45	43	43	45	43	45	45	44	44	44	46	44	44

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

*Material suplementario / Supplementary material*

**Table S51.** (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
121 <i>L. caesar</i> <sup>af</sup>	64	64	65	64	44	44	45	45	45	45	45	45	45	45	46	46	45	45	43	43	45	43	45	45	44	44	44	46	46	44	
122 <i>L. caesar</i> <sup>ag</sup>	63	63	64	63	43	43	44	44	44	44	44	44	44	44	45	45	44	44	42	42	44	44	44	44	44	43	43	45	45	43	
123 <i>L. caesar</i> <sup>ah</sup>	63	63	64	63	45	45	46	46	46	46	46	46	46	46	47	47	46	46	44	44	46	44	46	46	45	45	45	47	47	45	
124 <i>L. illustris</i> <sup>a</sup>	60	60	61	60	42	42	41	41	43	43	43	43	43	45	42	42	43	43	41	41	43	43	43	43	40	40	42	42	42	42	
125 <i>L. illustris</i> <sup>b</sup>	60	60	61	60	42	42	41	41	43	43	43	43	43	45	42	42	43	43	41	41	43	43	43	43	40	40	42	42	42	42	
126 <i>L. illustris</i> <sup>c</sup>	60	60	61	60	44	44	43	43	45	45	43	43	45	43	44	44	45	45	43	43	45	45	45	45	45	42	42	44	44	42	44
127 <i>L. illustris</i> <sup>d</sup>	60	60	61	60	40	40	41	41	41	41	41	41	41	41	43	42	42	41	41	39	39	41	41	41	41	40	40	40	42	42	40
128 <i>L. illustris</i> <sup>e</sup>	59	59	60	59	41	41	40	40	42	42	42	42	42	44	41	41	42	42	40	40	42	42	42	42	42	39	39	41	41	41	41
129 <i>L. illustris</i> <sup>f</sup>	59	59	60	59	41	41	40	40	42	42	42	42	42	44	41	41	42	42	40	40	42	42	42	42	42	39	39	41	41	41	41
130 <i>L. illustris</i> <sup>g</sup>	59	59	60	59	41	41	40	40	42	42	42	42	42	44	41	41	42	42	40	40	42	42	42	42	42	39	39	41	41	41	41
131 <i>L. illustris</i> <sup>h</sup>	61	61	62	61	41	41	42	42	42	42	42	42	42	44	43	43	42	42	40	40	42	42	42	42	42	41	41	41	43	43	41
132 <i>L. illustris</i> <sup>i</sup>	61	61	62	61	41	41	42	42	42	42	42	42	42	44	43	43	42	42	40	40	42	42	42	42	42	41	41	41	43	43	41
133 <i>L. illustris</i> <sup>j</sup>	61	61	62	61	43	43	42	42	44	44	42	42	44	44	43	43	44	44	42	42	44	44	44	44	44	41	41	43	43	41	43
134 <i>L. illustris</i> <sup>k</sup>	58	58	59	58	42	42	41	41	43	43	43	43	43	43	42	42	43	43	41	41	43	43	43	43	40	40	42	42	42	42	42
135 <i>L. illustris</i> <sup>l</sup>	58	58	59	58	40	40	39	39	41	41	41	41	41	41	43	40	40	41	41	39	39	41	41	41	41	38	38	40	40	40	40
136 <i>L. illustris</i> <sup>m</sup>	60	60	61	60	42	42	41	41	43	43	43	43	43	45	42	42	43	43	41	41	43	43	43	43	43	40	40	42	42	42	42
137 <i>L. illustris</i> <sup>n</sup>	62	62	63	62	42	42	43	43	43	43	43	43	43	45	44	44	43	43	41	41	43	43	43	43	41	42	42	42	44	44	42
138 <i>L. illustris</i> <sup>o</sup>	62	62	63	62	42	42	43	43	43	43	43	43	43	41	45	44	44	43	43	41	41	43	43	43	43	42	42	42	42	44	42
139 <i>L. illustris</i> <sup>p</sup>	59	59	60	59	44	44	43	43	45	45	43	43	45	43	44	44	45	45	43	43	45	45	45	45	45	42	42	44	44	42	44
140 <i>L. illustris</i> <sup>q</sup>	62	62	63	62	44	44	45	45	45	45	45	45	45	45	46	46	45	45	43	43	45	45	45	45	44	44	44	46	46	44	44
141 <i>L. bufonivora</i> <sup>r</sup>	79	79	80	78	47	47	48	48	48	48	48	48	46	46	48	48	49	49	48	48	48	48	48	46	48	48	47	47	49	47	47
142 <i>L. bufonivora</i> <sup>s</sup>	79	79	80	78	47	47	48	48	48	48	48	46	46	48	48	49	49	48	48	48	48	48	48	46	48	48	47	47	49	47	47

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX; <sup>j</sup>Haplotype HX; <sup>k</sup>Haplotype HXI; <sup>l</sup>Haplotype HXII; <sup>m</sup>Haplotype HXIII; <sup>n</sup>Haplotype HXIV; <sup>o</sup>Haplotype HXV; <sup>p</sup>Haplotype HXVI; <sup>q</sup>Haplotype HXVII; <sup>r</sup>Haplotype HXVIII; <sup>s</sup>Haplotype HXIX; <sup>t</sup>Haplotype HXX; <sup>u</sup>Haplotype HXXI; <sup>v</sup>Haplotype HXXII; <sup>w</sup>Haplotype HXXIII; <sup>x</sup>Haplotype HXXIV; <sup>y</sup>Haplotype HXXV; <sup>z</sup>Haplotype HXXVI; <sup>aa</sup>Haplotype HXXVII; <sup>ab</sup>Haplotype HXXVIII; <sup>ac</sup>Haplotype HXXIX; <sup>ad</sup>Haplotype HXXX; <sup>ae</sup>Haplotype HXXXI; <sup>af</sup>Haplotype HXXXII; <sup>ag</sup>Haplotype HXXXIII; <sup>ah</sup>Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51. (Continued)**

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
1 <i>Ch. albiceps</i> <sup>a)</sup>	9.1	9.1	9.4	9.1	9.1	9.4	8.8	8.8	9.1	9.4	9.1	9.1	9.3	9.6	8.8	9.1	9.4	9.4	9.6	9.6	9.4	9.6	8.5	10.3	10.3	10.2	10.2	10.5	10.5	10.2	
2 <i>Ch. albiceps</i> <sup>b)</sup>	9.1	9.4	9.4	9.1	9.1	9.4	8.8	8.8	9.1	9.4	9.1	9.1	9.3	9.6	8.8	9.1	9.4	9.4	9.6	9.6	9.4	9.6	8.5	10.3	10.3	10.2	10.2	10.5	10.5	10.2	
3 <i>Ch. albiceps</i> <sup>b)</sup>	9.3	9.3	9.6	9.3	9.3	9.6	9.0	9.0	9.3	9.6	9.3	9.3	9.4	9.7	9.0	9.3	9.6	9.6	9.7	9.7	9.6	9.7	8.7	10.5	10.5	10.3	10.3	10.6	10.6	10.3	
4 <i>Ch. albiceps</i> <sup>c)</sup>	9.3	9.3	9.4	9.3	9.3	9.6	9.0	9.0	9.3	9.6	9.3	9.3	9.4	9.7	9.0	9.3	9.4	9.4	9.6	9.6	9.4	9.6	8.5	10.5	10.5	10.3	10.3	10.6	10.6	10.3	
5 <i>C. vicina</i> <sup>a)</sup>	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	4.3	4.3	4.4	4.4	4.3	4.4	4.0	6.4	6.4	6.5	6.5	6.5	6.5
6 <i>C. vicina</i> <sup>a)</sup>	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	4.3	4.3	4.4	4.4	4.3	4.4	4.0	6.4	6.4	6.5	6.5	6.5	6.5	
7 <i>C. vicina</i> <sup>b)</sup>	0.2	0.3	0.5	0.2	0.2	0.5	0.2	0.2	0.5	0.5	0.2	0.2	0.6	0.6	0.3	0.3	4.4	4.4	4.6	4.6	4.4	4.6	4.1	6.5	6.5	6.4	6.4	6.7	6.7	6.7	
8 <i>C. vicina</i> <sup>b)</sup>	0.2	0.3	0.5	0.2	0.2	0.5	0.2	0.2	0.5	0.5	0.2	0.2	0.6	0.6	0.3	0.3	4.4	4.4	4.6	4.6	4.4	4.6	4.1	6.5	6.5	6.4	6.4	6.7	6.7	6.7	
9 <i>C. vicina</i> <sup>c)</sup>	0.5	0.3	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	4.1	4.1	4.3	4.3	4.1	4.3	3.8	6.2	6.2	6.4	6.4	6.4	6.4	6.4	
10 <i>C. vicina</i> <sup>c)</sup>	0.5	0.3	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	4.1	4.1	4.3	4.3	4.1	4.3	3.8	6.2	6.2	6.4	6.4	6.4	6.4	6.4	
11 <i>C. vicina</i> <sup>d)</sup>	0.5	0.3	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.2	0.5	0.5	0.6	0.6	0.6	0.6	4.1	4.1	4.6	4.6	4.4	4.3	4.1	6.2	6.2	6.4	6.4	6.4	6.4	6.4	
12 <i>C. vicina</i> <sup>d)</sup>	0.2	0.3	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.2	0.5	0.5	0.6	0.6	0.6	0.6	4.1	4.1	4.6	4.6	4.4	4.3	4.1	6.2	6.2	6.4	6.4	6.4	6.4	6.4	
13 <i>C. vicina</i> <sup>e)</sup>	0.5	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	4.1	4.1	4.3	4.3	4.1	4.3	4.1	6.5	6.5	6.7	6.7	6.7	6.7	6.7	
14 <i>C. vicina</i> <sup>f)</sup>	0.8	0.6	0.8	0.8	0.8	0.5	0.8	0.8	0.8	0.5	0.8	0.8	0.9	0.9	0.6	0.9	4.1	4.1	4.6	4.6	4.4	4.3	4.4	6.5	6.5	6.7	6.7	6.7	6.7	6.7	
15 <i>C. vicina</i> <sup>g)</sup>	0.3	0.5	0.6	0.3	0.3	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.8	0.8	0.5	0.5	4.6	4.6	4.7	4.7	4.6	4.7	4.3	6.7	6.7	6.5	6.5	6.8	6.8	6.8	
16 <i>C. vicina</i> <sup>g)</sup>	0.3	0.5	0.6	0.3	0.3	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.8	0.8	0.5	0.5	4.6	4.6	4.7	4.7	4.6	4.7	4.3	6.7	6.7	6.5	6.5	6.8	6.8	6.8	
17 <i>C. vicina</i> <sup>h)</sup>	0.5	0.3	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	4.4	4.4	4.6	4.6	4.4	4.6	4.1	6.5	6.5	6.7	6.7	6.7	6.7	6.7	
18 <i>C. vicina</i> <sup>i)</sup>	0.5	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	4.4	4.4	4.6	4.6	4.4	4.6	4.1	6.5	6.5	6.7	6.7	6.7	6.7	6.7	
19 <i>C. vicina</i>	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.3	0.6	0.6	0.6	4.1	4.1	4.3	4.3	4.1	4.3	3.8	6.2	6.2	6.4	6.4	6.4	6.4	6.4	
20 <i>C. vicina</i> <sup>j)</sup>	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.3	0.6	0.6	0.6	4.1	4.1	4.3	4.3	4.1	4.3	3.8	6.2	6.2	6.4	6.4	6.4	6.4	6.4	
21 <i>C. vicina</i> <sup>k)</sup>	0.5	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	4.4	4.4	4.6	4.6	4.4	4.6	4.1	6.2	6.2	6.4	6.4	6.4	6.4	6.4	
22 <i>C. vicina</i>	0.5	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	4.4	4.4	4.3	4.3	4.1	4.6	4.1	6.2	6.2	6.4	6.4	6.4	6.4	6.4	
23 <i>C. vicina</i> <sup>m)</sup>	0.5	0.3	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	4.4	4.4	4.6	4.6	4.4	4.6	4.1	6.5	6.5	6.7	6.7	6.7	6.7	6.7	
24 <i>C. vicina</i> <sup>n)</sup>	0.5	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	4.4	4.4	4.6	4.6	4.4	4.6	4.1	6.5	6.5	6.7	6.7	6.7	6.7	6.7	
25 <i>C. vicina</i> <sup>o)</sup>	0.3	0.5	0.6	0.3	0.3	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.8	0.8	0.5	0.5	4.3	4.3	4.4	4.4	4.3	4.4	4.0	6.4	6.4	6.2	6.2	6.5	6.5	6.5	
26 <i>C. vicina</i> <sup>o)</sup>	0.3	0.5	0.6	0.3	0.3	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.8	0.8	0.5	0.5	4.3	4.3	4.4	4.4	4.3	4.4	4.0	6.4	6.4	6.2	6.2	6.5	6.5	6.5	
27 <i>C. vicina</i> <sup>p)</sup>	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.6	0.8	0.5	0.8	0.8	4.3	4.3	4.4	4.4	4.3	4.4	4.3	6.4	6.4	6.5	6.5	6.5	6.5	6.5	
28 <i>C. vicina</i> <sup>q)</sup>	0.3	0.5	0.6	0.3	0.3	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.8	0.8	0.5	0.5	4.3	4.3	4.4	4.4	4.3	4.4	4.3	6.7	6.7	6.5	6.5	6.8	6.8	6.8	
29 <i>C. vicina</i> <sup>r)</sup>	0.3	0.5	0.6	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.3	0.8	0.8	0.5	0.5	4.3	4.3	4.7	4.7	4.6	4.4	4.3	6.4	6.4	6.2	6.2	6.5	6.5	6.5	
30 <i>C. vicina</i> <sup>s)</sup>	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	4.6	4.6	4.7	4.7	4.6	4.7	4.3	6.4	6.4	6.5	6.5	6.5	6.5	6.5	

<sup>a)</sup> Haplotype HI; <sup>b)</sup> Haplotype HII; <sup>c)</sup> Haplotype HIII; <sup>d)</sup> Haplotype HIV; <sup>e)</sup> Haplotype HV; <sup>f)</sup> Haplotype HVI; <sup>g)</sup> Haplotype HVII; <sup>h)</sup> Haplotype HVIII; <sup>i)</sup> Haplotype HIX; <sup>j)</sup> Haplotype HX; <sup>k)</sup> Haplotype HXI; <sup>l)</sup> Haplotype HXII; <sup>m)</sup> Haplotype HXIII; <sup>n)</sup> Haplotype HXIV; <sup>o)</sup> Haplotype HXV; <sup>p)</sup> Haplotype HXVI; <sup>q)</sup> Haplotype HXVII; <sup>r)</sup> Haplotype HXVIII; <sup>s)</sup> Haplotype HXIX; <sup>t)</sup> Haplotype HXX; <sup>u)</sup> Haplotype HXXI; <sup>v)</sup> Haplotype HXXII; <sup>w)</sup> Haplotype HXXIII; <sup>x)</sup> Haplotype HXXIV; <sup>y)</sup> Haplotype HXXV; <sup>z)</sup> Haplotype HXXVI; <sup>aa)</sup> Haplotype HXXVII; <sup>ab)</sup> Haplotype HXXVIII; <sup>ac)</sup> Haplotype HXXIX; <sup>ad)</sup> Haplotype HXXX; <sup>ae)</sup> Haplotype HXXXI; <sup>af)</sup> Haplotype HXXXII; <sup>ag)</sup> Haplotype HXXXIII; <sup>ah)</sup> Haplotype HXXXIV.

Table S51. (Continued)

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
31 <i>C. vicina</i> <sup>t</sup>	—	0.5	0.6	0.3	0.3	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.8	0.8	0.5	0.5	4.6	4.6	4.7	4.7	4.6	4.7	4.3	6.7	6.7	6.5	6.5	6.8	6.8	6.8
32 <i>C. vicina</i> <sup>u</sup>	3	—	0.5	0.5	0.5	0.5	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	4.3	4.3	4.4	4.4	4.3	4.4	4.0	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5
33 <i>C. vicina</i> <sup>v</sup>	4	3	—	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	4.0	4.0	4.1	4.1	4.0	4.1	4.0	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8
34 <i>C. vicina</i> <sup>w</sup>	2	3	4	—	0.3	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.8	0.8	0.5	0.5	4.6	4.6	4.7	4.7	4.6	4.7	4.3	6.7	6.7	6.5	6.5	6.8	6.8	6.8
35 <i>C. vicina</i> <sup>x</sup>	2	3	4	2	—	0.6	0.3	0.3	0.6	0.6	0.3	0.3	0.8	0.8	0.5	0.5	4.6	4.6	4.7	4.7	4.6	4.7	4.3	6.7	6.7	6.5	6.5	6.8	6.8	6.8
36 <i>C. vicina</i> <sup>y</sup>	4	3	4	4	4	—	0.6	0.6	0.6	0.3	0.6	0.6	0.8	0.8	0.8	4.3	4.3	4.7	4.7	4.6	4.4	4.3	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5
37 <i>C. vicina</i> <sup>z</sup>	2	3	4	2	2	4	—	0.3	0.6	0.6	0.3	0.3	0.8	0.8	0.5	0.5	4.3	4.3	4.4	4.4	4.3	4.4	4.0	6.4	6.4	6.2	6.2	6.5	6.5	6.5
38 <i>C. vicina</i> <sup>aa</sup>	2	2	4	2	2	4	2	—	0.3	0.6	0.3	0.3	0.5	0.8	0.5	0.5	4.3	4.3	4.4	4.4	4.3	4.4	4.0	6.4	6.4	6.2	6.2	6.5	6.5	6.5
39 <i>C. vicina</i> <sup>ab</sup>	4	2	4	4	4	4	4	2	—	0.6	0.6	0.6	0.2	0.8	0.8	0.8	4.3	4.3	4.4	4.4	4.3	4.4	4.0	6.4	6.4	6.5	6.5	6.5	6.5	6.5
40 <i>C. vicina</i> <sup>ac</sup>	4	3	4	4	4	2	4	4	—	0.6	0.6	0.8	0.8	0.8	0.8	4.3	4.3	4.7	4.7	4.6	4.4	4.3	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5
41 <i>C. vicina</i> <sup>ad</sup>	2	3	4	2	2	4	2	2	4	4	—	0.3	0.8	0.5	0.5	0.5	4.3	4.3	4.4	4.4	4.3	4.4	4.3	6.7	6.7	6.5	6.5	6.8	6.8	6.8
42 <i>C. vicina</i> <sup>ae</sup>	2	3	4	2	2	4	2	2	4	4	2	—	0.8	0.8	0.5	0.5	4.6	4.6	4.7	4.7	4.6	4.7	4.3	6.7	6.7	6.5	6.5	6.8	6.8	6.8
43 <i>C. vicina</i> <sup>af</sup>	5	3	5	5	5	5	5	3	1	5	5	5	—	0.9	0.9	0.9	4.4	4.4	4.6	4.6	4.4	4.6	4.1	6.5	6.5	6.7	6.7	6.7	6.7	6.7
44 <i>C. vicina</i> <sup>ag</sup>	5	4	5	5	5	5	5	5	5	5	3	5	6	—	0.9	0.9	4.4	4.4	4.6	4.6	4.4	4.6	4.4	6.8	6.8	7.0	7.0	7.0	7.0	7.0
45 <i>C. vicina</i> <sup>ah</sup>	3	4	5	3	3	5	3	3	5	5	3	3	6	6	—	0.3	4.3	4.3	4.4	4.4	4.3	4.4	4.3	6.8	6.8	6.7	6.7	7.0	7.0	7.0
46 <i>C. vicina</i> <sup>ai</sup>	3	4	5	3	3	5	3	3	5	5	3	3	6	2	—	4.6	4.6	4.7	4.7	4.6	4.7	4.3	6.8	6.8	6.7	6.7	7.0	7.0	7.0	
47 <i>C. vomitoria</i> <sup>aj</sup>	30	28	26	30	30	28	28	28	28	28	28	30	29	29	28	30	—	0.0	0.5	0.5	0.3	0.2	3.5	6.1	6.1	6.2	6.2	6.2	6.2	6.2
48 <i>C. vomitoria</i> <sup>ak</sup>	30	28	26	30	30	28	28	28	28	28	28	30	29	29	28	30	0	—	0.5	0.5	0.3	0.2	3.5	6.1	6.1	6.2	6.2	6.2	6.2	6.2
49 <i>C. vomitoria</i> <sup>al</sup>	31	29	27	31	31	31	29	29	29	31	29	31	30	30	29	31	3	3	—	0.0	0.2	0.6	3.3	6.2	6.2	6.4	6.4	6.4	6.4	6.4
50 <i>C. vomitoria</i> <sup>am</sup>	31	29	27	31	31	31	29	29	29	31	29	31	30	30	29	31	3	3	0	—	0.2	0.6	3.3	6.2	6.2	6.4	6.4	6.4	6.4	6.4
51 <i>C. vomitoria</i> <sup>an</sup>	30	28	26	30	30	30	28	28	28	30	28	30	29	29	28	30	2	2	1	1	—	0.5	3.5	6.1	6.1	6.2	6.2	6.2	6.2	6.2
52 <i>C. vomitoria</i> <sup>ao</sup>	31	29	27	31	31	29	29	29	29	29	31	30	30	29	31	1	1	4	4	3	—	3.6	6.2	6.2	6.4	6.4	6.4	6.4	6.4	
53 <i>C. vomitoria</i> <sup>ap</sup>	28	26	26	28	28	28	26	26	26	28	28	28	27	29	28	28	23	23	22	22	23	24	—	5.6	5.6	5.8	5.8	5.8	5.8	5.5
54 <i>L. sericata</i> <sup>aq</sup>	44	42	44	44	44	42	42	42	42	42	44	44	43	45	45	40	40	41	41	41	40	41	37	—	0.0	0.2	0.2	0.2	0.2	0.2
55 <i>L. sericata</i> <sup>ar</sup>	44	42	44	44	44	42	42	42	42	44	44	43	45	45	45	40	40	41	41	41	40	41	37	0	—	0.2	0.2	0.2	0.2	0.2
56 <i>L. sericata</i> <sup>as</sup>	43	43	45	43	43	43	41	41	43	43	43	43	44	46	44	44	41	41	42	42	41	42	38	1	1	—	0.0	0.3	0.3	0.3
57 <i>L. sericata</i> <sup>at</sup>	43	43	45	43	43	43	41	41	43	43	43	43	44	46	44	44	41	41	42	42	41	42	38	1	1	0	—	0.3	0.3	0.3
58 <i>L. sericata</i> <sup>au</sup>	45	43	45	45	45	43	43	43	43	43	45	45	44	46	46	46	41	41	42	42	41	42	38	1	1	2	2	—	0.0	0.3
59 <i>L. sericata</i> <sup>av</sup>	45	43	45	45	45	43	43	43	43	43	45	45	44	46	46	46	41	41	42	42	41	42	38	1	1	2	2	0	—	0.3
60 <i>L. sericata</i> <sup>aw</sup>	45	43	45	45	45	43	43	43	43	43	45	45	44	46	46	46	41	41	42	42	41	42	36	1	1	2	2	2	2	—

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX; <sup>j</sup>Haplotype HX; <sup>k</sup>Haplotype HXI; <sup>l</sup>Haplotype HXII; <sup>m</sup>Haplotype HXIII; <sup>n</sup>Haplotype HXIV; <sup>o</sup>Haplotype HXV; <sup>p</sup>Haplotype HXVI; <sup>q</sup>Haplotype HXVII; <sup>r</sup>Haplotype HXVIII; <sup>s</sup>Haplotype HXIX; <sup>t</sup>Haplotype HXX; <sup>u</sup>Haplotype HXXI; <sup>v</sup>Haplotype HXXII; <sup>w</sup>Haplotype HXXIII; <sup>x</sup>Haplotype HXXIV; <sup>y</sup>Haplotype HXXV; <sup>z</sup>Haplotype HXXVI; <sup>aa</sup>Haplotype HXXVII; <sup>ab</sup>Haplotype HXXVIII; <sup>ac</sup>Haplotype HXXIX; <sup>ad</sup>Haplotype HXXX; <sup>ae</sup>Haplotype HXXXI; <sup>af</sup>Haplotype HXXXII; <sup>ag</sup>Haplotype HXXXIII; <sup>ah</sup>Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51. (Continued)**

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	<i>L. sericata</i> <sup>(a)</sup>	45	43	45	45	45	43	43	43	43	45	45	44	46	46	46	41	41	42	42	41	42	36	1	1	2	2	2	2	0
62	<i>L. sericata</i> <sup>(b)</sup>	45	43	45	45	45	43	43	43	43	45	45	44	46	46	46	41	41	42	42	41	42	38	1	1	2	2	2	2	2
63	<i>L. sericata</i> <sup>(c)</sup>	45	43	45	45	45	43	43	43	43	45	45	44	46	46	46	41	41	42	42	41	42	38	1	1	2	2	2	2	2
64	<i>L. sericata</i> <sup>(d)</sup>	45	43	45	45	45	43	43	43	43	45	45	44	46	46	46	41	41	42	42	41	42	38	1	1	2	2	2	2	2
65	<i>L. sericata</i> <sup>(e)</sup>	45	43	45	45	45	43	43	43	43	45	45	44	46	46	46	41	41	42	42	41	42	38	1	1	2	2	2	2	2
66	<i>L. sericata</i> <sup>(f)</sup>	45	43	45	45	45	43	43	43	43	45	45	44	46	46	46	41	41	42	42	41	42	38	1	1	2	2	2	2	2
67	<i>L. sericata</i> <sup>(g)</sup>	45	43	45	45	45	43	43	43	43	45	45	44	46	46	46	41	41	42	42	41	42	38	1	1	2	2	2	2	2
68	<i>L. sericata</i> <sup>(h)</sup>	43	41	43	43	43	41	41	41	41	43	43	42	44	44	44	39	39	40	40	39	40	36	1	1	2	2	2	2	2
69	<i>L. sericata</i> <sup>(i)</sup>	45	43	45	45	45	43	43	43	43	43	45	44	44	46	46	39	39	40	40	39	40	38	1	1	2	2	2	2	2
70	<i>L. sericata</i> <sup>(j)</sup>	43	41	43	43	43	41	41	41	41	43	43	42	44	44	44	41	41	40	40	39	42	36	1	1	2	2	2	2	2
71	<i>L. sericata</i> <sup>(k)</sup>	46	44	46	46	46	44	44	44	44	46	46	45	47	47	47	42	42	43	43	42	43	37	2	2	3	3	1	1	1
72	<i>L. sericata</i> <sup>(l)</sup>	46	44	46	46	46	44	44	44	44	46	46	45	47	47	47	42	42	43	43	42	43	39	2	2	3	3	3	3	3
73	<i>L. sericata</i> <sup>(m)</sup>	44	42	44	44	44	42	42	42	42	44	44	43	45	45	45	42	42	43	43	42	43	39	2	2	3	3	3	3	3
74	<i>L. sericata</i> <sup>(n)</sup>	46	44	46	46	46	44	44	44	44	46	46	45	47	47	47	42	42	43	43	42	43	37	2	2	3	3	3	3	1
75	<i>L. richardsi</i> <sup>(a)</sup>	45	43	42	45	45	42	45	43	43	45	45	42	46	46	46	44	44	45	45	44	45	49	25	25	26	26	26	26	26
76	<i>L. richardsi</i> <sup>(b)</sup>	45	43	42	45	45	42	45	43	43	45	45	42	46	46	46	45	45	46	46	45	46	50	26	26	27	27	27	27	27
77	<i>L. ampullacea</i> <sup>(a)</sup>	49	47	49	49	49	49	49	47	47	49	49	49	48	50	47	49	51	51	49	49	49	52	51	38	38	39	39	39	39
78	<i>L. ampullacea</i> <sup>(b)</sup>	49	47	49	49	49	49	49	47	47	49	49	49	48	50	47	49	51	51	49	49	49	52	51	38	38	39	39	39	39
79	<i>L. ampullacea</i> <sup>(c)</sup>	50	48	50	50	50	50	48	48	50	50	50	49	51	48	50	52	52	50	50	50	53	52	39	39	40	40	40	40	40
80	<i>L. ampullacea</i> <sup>(d)</sup>	50	48	50	50	50	50	48	48	50	50	50	49	51	48	50	52	52	50	50	50	53	52	39	39	40	40	40	40	40
81	<i>L. ampullacea</i> <sup>(e)</sup>	49	47	49	49	49	49	49	47	47	49	49	49	48	50	47	49	51	51	49	49	49	52	51	38	38	39	39	39	39
82	<i>L. ampullacea</i> <sup>(f)</sup>	49	47	49	49	49	49	49	47	47	49	49	49	48	50	47	49	51	51	49	49	49	52	51	39	39	40	40	40	40
83	<i>L. ampullacea</i> <sup>(g)</sup>	51	49	50	51	51	51	49	49	51	51	51	50	52	49	51	52	52	50	50	50	53	53	40	40	41	41	41	41	41
84	<i>L. silvarum</i> <sup>(a)</sup>	43	41	41	43	43	42	43	41	41	43	43	42	44	44	44	45	45	44	44	43	46	47	23	23	24	24	24	24	24
85	<i>L. silvarum</i> <sup>(b)</sup>	44	42	42	44	44	43	44	42	42	44	44	43	45	45	45	46	46	45	45	44	47	46	24	24	25	25	25	25	23
86	<i>L. silvarum</i> <sup>(c)</sup>	44	42	42	44	44	43	44	42	42	44	44	43	45	45	45	46	46	45	45	44	47	48	22	22	23	23	23	23	23
87	<i>L. caesar</i> <sup>(a)</sup>	39	39	39	39	39	41	39	37	39	41	39	39	40	42	37	39	37	37	35	35	35	38	35	31	31	30	30	32	32
88	<i>L. caesar</i> <sup>(b)</sup>	39	39	39	39	39	41	39	37	39	41	39	39	40	42	37	39	37	37	35	35	35	38	35	31	31	30	30	32	32
89	<i>L. caesar</i> <sup>(c)</sup>	40	38	38	40	40	40	38	38	40	40	40	39	41	38	40	36	36	34	34	34	37	34	30	30	31	31	31	31	31
90	<i>L. caesar</i> <sup>(d)</sup>	45	43	43	45	45	45	43	43	45	45	45	44	46	43	45	41	41	39	39	39	42	39	33	33	34	34	34	34	34

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.



Material suplementario / Supplementary material

Table S51. (Continued)

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
91	<i>L. caesar</i> <sup>d</sup>	43	41	41	43	43	43	41	41	43	43	42	44	41	43	37	37	35	35	35	38	35	31	31	32	32	32	32	32	32	
92	<i>L. caesar</i> <sup>(*)d</sup>	43	41	41	43	43	43	41	41	43	43	42	44	41	43	37	37	35	35	35	38	35	31	31	32	32	32	32	32	32	
93	<i>L. caesar</i> <sup>e</sup>	42	40	40	42	42	42	40	40	42	42	41	43	40	42	38	38	36	36	36	39	36	32	32	33	33	33	33	33	33	
94	<i>L. caesar</i> <sup>(*)e</sup>	42	40	40	42	42	42	40	40	42	42	41	43	40	42	38	38	36	36	36	39	36	32	32	33	33	33	33	33	33	
95	<i>L. caesar</i> <sup>(*)f</sup>	43	41	41	43	43	43	41	41	43	43	42	44	41	43	39	39	37	37	37	40	37	31	31	32	32	32	32	32	32	
96	<i>L. caesar</i> <sup>(*)g</sup>	40	40	40	40	40	42	40	38	40	42	40	41	43	38	40	36	36	34	34	34	37	36	32	32	31	31	33	33	33	
97	<i>L. caesar</i> <sup>(*)h</sup>	42	40	40	42	42	42	40	40	42	42	41	43	40	42	38	38	36	36	36	39	36	32	32	33	33	33	33	33	33	
98	<i>L. caesar</i> <sup>(*)i</sup>	46	44	44	46	46	46	44	44	46	46	46	45	47	44	46	42	42	40	40	40	43	40	34	34	35	35	35	35	35	
99	<i>L. caesar</i> <sup>(*)j</sup>	42	42	41	42	42	44	42	40	42	44	42	43	45	42	42	41	41	41	41	41	42	34	32	32	31	31	33	33	33	
100	<i>L. caesar</i> <sup>(*)k</sup>	40	40	40	40	40	42	40	38	40	42	40	41	43	38	40	38	38	36	36	39	36	32	32	31	31	33	33	33	33	
101	<i>L. caesar</i> <sup>(*)l</sup>	40	40	40	40	40	42	40	38	40	42	40	41	43	38	40	38	38	36	36	36	39	36	32	32	31	31	33	33	33	
102	<i>L. caesar</i> <sup>(*)m</sup>	39	39	39	39	39	41	39	37	39	41	39	39	40	42	37	39	37	37	35	35	35	38	35	31	31	30	30	32	32	32
103	<i>L. caesar</i> <sup>(*)n</sup>	40	40	40	40	40	42	40	38	40	42	40	41	43	38	40	38	38	36	36	36	39	34	32	32	31	31	33	33	31	
104	<i>L. caesar</i> <sup>(*)o</sup>	40	40	40	40	40	42	40	38	40	42	40	41	43	38	40	38	38	36	36	36	39	36	32	32	31	31	33	33	33	
105	<i>L. caesar</i> <sup>(*)p</sup>	41	39	39	41	41	41	39	39	41	41	41	40	42	39	41	37	37	35	35	35	38	33	31	31	32	32	32	32	30	
106	<i>L. caesar</i> <sup>(*)q</sup>	41	39	39	41	41	41	39	39	41	41	41	40	42	39	41	37	37	35	35	35	38	35	31	31	32	32	32	32	32	
107	<i>L. caesar</i> <sup>(*)r</sup>	41	39	39	41	41	41	39	39	41	41	41	40	42	39	41	37	37	35	35	35	38	35	31	31	32	32	32	32	32	
108	<i>L. caesar</i> <sup>(*)s</sup>	42	40	40	42	42	42	40	40	42	42	42	41	43	40	42	38	38	36	36	36	39	36	30	30	31	31	31	31	31	
109	<i>L. caesar</i> <sup>(*)t</sup>	42	40	40	42	42	42	40	40	42	42	42	41	43	40	42	36	36	34	34	34	37	34	30	30	31	31	31	31	31	
110	<i>L. caesar</i> <sup>(*)u</sup>	42	40	40	42	42	42	40	40	42	42	42	41	43	40	42	38	38	36	36	36	39	36	32	32	33	33	33	33	33	
111	<i>L. caesar</i> <sup>(*)v</sup>	43	41	41	43	43	43	41	41	43	43	42	44	41	43	39	39	37	37	37	40	37	29	29	30	30	30	30	30	30	
112	<i>L. caesar</i> <sup>(*)w</sup>	43	43	43	43	43	45	43	41	43	45	43	43	44	46	41	43	41	41	39	39	39	42	39	35	35	34	34	36	36	36
113	<i>L. caesar</i> <sup>(*)x</sup>	44	42	42	44	44	44	44	42	44	44	44	43	45	42	44	37	37	35	35	35	38	36	32	32	33	33	33	33	33	
114	<i>L. caesar</i> <sup>(*)y</sup>	44	42	42	44	44	44	44	42	44	44	44	43	45	42	44	40	40	38	38	38	41	38	32	32	33	33	33	33	33	
115	<i>L. caesar</i> <sup>(*)z</sup>	44	42	42	44	44	44	44	42	44	44	44	43	45	42	44	40	40	38	38	38	41	38	32	32	33	33	33	33	33	
116	<i>L. caesar</i> <sup>(*)aa</sup>	44	42	42	44	44	44	44	42	44	44	44	43	45	42	44	40	40	38	38	38	41	38	32	32	33	33	33	33	33	
117	<i>L. caesar</i> <sup>(*)ab</sup>	45	43	43	45	45	45	43	43	45	45	45	44	46	43	45	41	41	39	39	39	42	39	33	33	34	34	34	34	34	
118	<i>L. caesar</i> <sup>(*)ac</sup>	41	41	40	41	41	43	41	39	41	43	41	41	42	44	41	41	40	40	40	40	41	33	31	31	30	30	32	32	32	
119	<i>L. caesar</i> <sup>(*)ad</sup>	46	44	44	46	46	46	44	44	46	46	46	45	47	44	46	42	42	40	40	40	43	40	34	34	35	35	35	35	35	
120	<i>L. caesar</i> <sup>(*)ae</sup>	46	44	44	46	46	44	44	44	46	46	46	45	47	44	46	40	40	40	40	40	41	40	32	32	33	33	33	33	33	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HW; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51. (Continued)**

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
121 <i>L. caesar</i> <sup>af</sup>	46	44	44	46	46	46	46	44	44	46	46	46	45	47	44	46	42	42	40	40	40	43	40	34	34	35	35	35	35	35
122 <i>L. caesar</i> <sup>ag</sup>	45	43	43	45	45	45	45	43	43	45	45	45	44	46	43	45	41	41	41	41	41	42	39	35	35	36	36	36	36	36
123 <i>L. caesar</i> <sup>ah</sup>	47	45	45	47	47	47	47	45	45	47	47	47	46	48	45	47	43	43	41	41	41	44	39	35	35	36	36	36	36	34
124 <i>L. illustris</i> <sup>a</sup>	42	42	41	42	42	44	42	40	42	44	42	42	43	45	42	42	41	41	41	41	41	42	34	32	32	31	31	33	33	33
125 <i>L. illustris</i> <sup>b</sup>	42	42	41	42	42	44	42	40	42	44	42	42	43	45	42	42	41	41	41	41	41	42	34	32	32	31	31	33	33	33
126 <i>L. illustris</i> <sup>c</sup>	44	44	43	44	44	44	44	42	44	44	44	44	45	47	42	44	39	39	41	41	41	40	36	32	32	31	31	33	33	33
127 <i>L. illustris</i> <sup>d</sup>	42	40	39	42	42	42	42	40	40	42	42	42	41	43	42	42	39	39	39	39	39	40	32	30	30	31	31	31	31	31
128 <i>L. illustris</i> <sup>e</sup>	41	41	40	41	41	43	41	39	41	43	41	41	42	44	41	41	40	40	40	40	40	41	33	31	31	30	30	32	32	32
129 <i>L. illustris</i> <sup>f</sup>	41	41	40	41	41	43	41	39	41	43	41	41	42	44	41	41	40	40	40	40	40	41	33	31	31	30	30	32	32	32
130 <i>L. illustris</i> <sup>g</sup>	41	41	40	41	41	43	41	39	41	43	41	41	42	44	41	41	40	40	40	40	40	41	35	33	33	32	32	34	34	34
131 <i>L. illustris</i> <sup>h</sup>	43	41	40	43	43	43	43	41	41	43	43	43	42	44	43	43	40	40	40	40	40	41	33	31	31	32	32	32	32	32
132 <i>L. illustris</i> <sup>i</sup>	43	41	40	43	43	43	43	41	41	43	43	43	42	44	43	43	40	40	38	38	38	41	33	29	29	30	30	30	30	30
133 <i>L. illustris</i> <sup>j</sup>	43	43	42	43	43	43	43	41	43	43	43	43	44	46	43	43	40	40	42	42	42	41	35	31	31	30	30	32	32	32
134 <i>L. illustris</i> <sup>k</sup>	42	42	41	42	42	44	42	40	42	44	42	42	43	45	40	42	39	39	39	39	39	40	34	32	32	31	31	33	33	33
135 <i>L. illustris</i>	40	40	40	40	40	42	40	38	40	42	40	40	41	43	40	40	40	40	40	40	40	41	32	30	30	29	29	31	31	31
136 <i>L. illustris</i> <sup>l</sup>	42	42	41	42	42	44	42	40	42	44	42	42	43	45	42	42	42	42	42	42	42	43	35	33	33	32	32	34	34	34
137 <i>L. illustris</i> <sup>m</sup>	44	42	41	44	44	44	44	42	42	44	44	44	43	45	44	44	41	41	41	41	41	42	32	32	32	33	33	33	33	31
138 <i>L. illustris</i> <sup>n</sup>	44	42	41	44	44	44	44	42	42	44	44	44	43	45	44	44	39	39	39	39	39	40	36	34	34	35	35	33	33	35
139 <i>L. illustris</i> <sup>o</sup>	44	44	43	44	44	44	44	42	44	44	44	44	45	47	42	44	39	39	41	41	41	40	36	33	33	32	32	34	34	34
140 <i>L. illustris</i> <sup>p</sup>	46	44	44	46	46	46	46	44	44	46	46	46	45	47	44	46	42	42	40	40	40	43	40	34	34	35	35	35	35	35
141 <i>L. bufonivora</i> <sup>q</sup>	49	48	48	49	49	47	49	49	49	47	49	47	50	50	50	50	52	52	53	53	52	53	52	23	23	24	24	24	24	24
142 <i>L. bufonivora</i> <sup>r</sup>	49	48	48	49	49	47	49	49	49	47	49	47	50	50	50	50	52	52	53	53	52	53	52	23	23	24	24	24	24	24

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

*Material suplementario / Supplementary material*

**Table S51.** (Continued)

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
1 <i>Ch. albiceps</i> <sup>a)</sup>	10.2	10.5	10.5	10.5	10.5	10.5	10.5	10.2	10.5	10.2	10.3	10.6	10.3	10.3	12.2	12.2	10.9	10.9	11.1	10.9	10.9	10.9	11.2	11.4	11.2	11.6	8.7	8.7	8.8	9.6
2 <i>Ch. albiceps</i> <sup>a)</sup>	10.2	10.5	10.5	10.5	10.5	10.5	10.5	10.2	10.5	10.2	10.3	10.6	10.3	10.3	12.2	12.2	10.9	10.9	11.1	10.9	10.9	10.9	11.2	11.4	11.2	11.6	8.7	8.7	8.8	9.6
3 <i>Ch. albiceps</i> <sup>b)</sup>	10.3	10.6	10.6	10.6	10.6	10.6	10.6	10.3	10.6	10.3	10.5	10.8	10.5	10.5	12.3	12.3	11.1	11.1	11.2	11.1	11.1	11.1	11.4	11.6	11.4	11.7	8.8	8.8	9.0	9.7
4 <i>Ch. albiceps</i> <sup>c)</sup>	10.3	10.6	10.6	10.6	10.6	10.6	10.6	10.3	10.6	10.3	10.5	10.8	10.5	10.5	12.2	12.2	11.1	11.1	11.2	11.1	11.1	11.1	11.4	11.4	11.2	11.6	8.7	8.7	8.8	9.6
5 <i>C. vicina</i> <sup>a)</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.2	6.7	6.7	6.4	6.7	6.5	6.5	7.1	7.1	7.3	7.3	7.1	7.1	7.4	6.2	6.4	6.4	5.9	5.9	5.8	6.5
6 <i>C. vicina</i> <sup>a)</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.2	6.7	6.7	6.4	6.7	6.5	6.5	7.1	7.1	7.3	7.3	7.1	7.1	7.4	6.2	6.4	6.4	5.9	5.9	5.8	6.5
7 <i>C. vicina</i> <sup>b)</sup>	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.7	6.4	6.8	6.8	6.5	6.8	6.7	6.7	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	5.8	5.8	5.9	6.7
8 <i>C. vicina</i> <sup>b)</sup>	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.7	6.4	6.8	6.8	6.5	6.8	6.7	6.7	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	5.8	5.8	5.9	6.7
9 <i>C. vicina</i> <sup>c)</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.4	6.1	6.5	6.5	6.2	6.5	6.7	6.7	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	6.1	6.1	5.9	6.7
10 <i>C. vicina</i> <sup>c)</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.4	6.1	6.5	6.5	6.2	6.5	6.7	6.7	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	6.1	6.1	5.9	6.7
11 <i>C. vicina</i> <sup>d)</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.4	6.4	6.5	6.5	6.2	6.5	6.4	6.4	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	6.1	6.1	5.9	6.7
12 <i>C. vicina</i> <sup>d)</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.4	6.4	6.5	6.5	6.2	6.5	6.4	6.4	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	6.1	6.1	5.9	6.7
13 <i>C. vicina</i> <sup>e)</sup>	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.7	6.4	6.8	6.8	6.5	6.8	6.4	6.4	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.1	6.2	6.2	6.1	6.1	5.9	6.7
14 <i>C. vicina</i> <sup>f)</sup>	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.7	6.7	6.8	6.8	6.5	6.8	6.7	6.7	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.7	6.8	6.8	6.1	6.1	5.9	6.7
15 <i>C. vicina</i> <sup>g)</sup>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.8	6.5	7.0	7.0	6.7	7.0	6.8	6.8	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.5	6.7	6.7	5.9	5.9	6.1	6.8
16 <i>C. vicina</i> <sup>g)</sup>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.8	6.5	7.0	7.0	6.7	7.0	6.8	6.8	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.5	6.7	6.7	5.9	5.9	6.1	6.8
17 <i>C. vicina</i> <sup>h)</sup>	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.7	6.4	6.8	6.8	6.5	6.8	6.5	6.5	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.2	6.4	6.4	6.1	6.1	5.9	6.7
18 <i>C. vicina</i> <sup>i)</sup>	6.7	6.4	6.4	6.7	6.7	6.7	6.7	6.4	6.7	6.4	6.8	6.8	6.5	6.8	6.7	6.7	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	6.1	6.1	5.9	6.7
19 <i>C. vicina</i> <sup>j)</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.4	6.1	6.5	6.5	6.2	6.5	6.4	6.4	7.0	7.0	7.1	7.1	7.0	7.0	7.3	6.1	6.2	6.2	5.8	5.8	5.6	6.4
20 <i>C. vicina</i> <sup>k)</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.4	6.1	6.5	6.5	6.2	6.5	6.4	6.4	7.0	7.0	7.1	7.1	7.0	7.0	7.3	6.1	6.2	6.2	5.8	5.8	5.6	6.4
21 <i>C. vicina</i> <sup>l)</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.4	6.1	6.5	6.5	6.2	6.5	6.7	6.7	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	6.1	6.1	5.9	6.7
22 <i>C. vicina</i> <sup>m)</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.4	6.1	6.5	6.5	6.2	6.5	6.4	6.4	7.0	7.0	7.1	7.1	7.0	7.0	7.3	6.1	6.2	6.2	5.8	5.8	5.6	6.4
23 <i>C. vicina</i> <sup>n)</sup>	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.7	6.4	6.8	6.8	6.5	6.8	6.7	6.7	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	6.1	6.1	5.9	6.7
24 <i>C. vicina</i> <sup>o)</sup>	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.7	6.4	6.8	6.8	6.5	6.8	6.7	6.7	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	6.1	6.1	5.9	6.7
25 <i>C. vicina</i> <sup>p)</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.2	6.7	6.7	6.4	6.7	6.7	6.7	7.1	7.1	7.3	7.3	7.1	7.1	7.4	6.2	6.4	6.4	5.6	5.6	5.8	6.5
26 <i>C. vicina</i> <sup>q)</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.2	6.7	6.7	6.4	6.7	6.7	6.7	7.1	7.1	7.3	7.3	7.1	7.1	7.4	6.2	6.4	6.4	5.6	5.6	5.8	6.5
27 <i>C. vicina</i> <sup>r)</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.2	6.2	6.7	6.7	6.4	6.7	6.5	6.5	7.1	7.1	7.3	7.3	7.1	7.1	7.4	6.2	6.4	6.4	5.9	5.9	5.8	6.5
28 <i>C. vicina</i> <sup>s)</sup>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.8	6.5	7.0	7.0	6.7	7.0	6.5	6.5	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.2	6.4	6.4	5.9	5.9	6.1	6.8
29 <i>C. vicina</i> <sup>t)</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.5	6.7	6.7	6.4	6.7	6.5	6.5	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.5	6.7	6.7	5.9	5.9	6.1	6.8
30 <i>C. vicina</i> <sup>u)</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.2	6.7	6.7	6.4	6.7	6.8	6.8	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.5	6.7	6.4	5.9	5.9	5.8	6.5

<sup>a)</sup> Haplotype HI; <sup>b)</sup> Haplotype HII; <sup>c)</sup> Haplotype HIII; <sup>d)</sup> Haplotype HIV; <sup>e)</sup> Haplotype HV; <sup>f)</sup> Haplotype HVI; <sup>g)</sup> Haplotype HVII; <sup>h)</sup> Haplotype HVIII; <sup>i)</sup> Haplotype HIX; <sup>j)</sup> Haplotype HX; <sup>k)</sup> Haplotype HXI; <sup>l)</sup> Haplotype HXII; <sup>m)</sup> Haplotype HXIII; <sup>n)</sup> Haplotype HXIV; <sup>o)</sup> Haplotype HXV; <sup>p)</sup> Haplotype HXVI; <sup>q)</sup> Haplotype HXVII; <sup>r)</sup> Haplotype HXVIII; <sup>s)</sup> Haplotype HXIX; <sup>t)</sup> Haplotype HXX; <sup>u)</sup> Haplotype HXXI; <sup>v)</sup> Haplotype HXXII; <sup>w)</sup> Haplotype HXXIII; <sup>x)</sup> Haplotype HXXIV; <sup>y)</sup> Haplotype HXXV; <sup>z)</sup> Haplotype HXXVI; <sup>aa)</sup> Haplotype HXXVII; <sup>ab)</sup> Haplotype HXXVIII; <sup>ac)</sup> Haplotype HXXIX; <sup>ad)</sup> Haplotype HXXX; <sup>ae)</sup> Haplotype HXXXI; <sup>af)</sup> Haplotype HXXXII; <sup>ag)</sup> Haplotype HXXXIII; <sup>ah)</sup> Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51.** (Continued)

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
31 <i>C. vicina</i> <sup>t</sup>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.8	6.5	7.0	7.0	6.7	7.0	6.8	6.8	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.5	6.7	6.7	5.9	5.9	6.1	6.8
32 <i>C. vicina</i> <sup>tu</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.2	6.7	6.7	6.4	6.7	6.5	6.5	7.1	7.1	7.3	7.3	7.1	7.1	7.4	6.2	6.4	6.4	5.9	5.9	5.8	6.5
33 <i>C. vicina</i> <sup>tv</sup>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.8	6.5	7.0	7.0	6.7	7.0	6.4	6.4	7.4	7.4	7.6	7.6	7.4	7.4	7.6	6.2	6.4	6.4	5.9	5.9	5.8	6.5
34 <i>C. vicina</i> <sup>tw</sup>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.8	6.5	7.0	7.0	6.7	7.0	6.8	6.8	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.5	6.7	6.7	5.9	5.9	6.1	6.8
35 <i>C. vicina</i> <sup>tx</sup>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.8	6.5	7.0	7.0	6.7	7.0	6.8	6.8	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.5	6.7	6.7	5.9	5.9	6.1	6.8
36 <i>C. vicina</i> <sup>ty</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.5	6.7	6.7	6.4	6.7	6.4	6.4	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.4	6.5	6.5	6.2	6.2	6.1	6.8
37 <i>C. vicina</i> <sup>tz</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.2	6.7	6.7	6.4	6.7	6.8	6.8	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.5	6.7	6.7	5.9	5.9	6.1	6.8
38 <i>C. vicina</i> <sup>8a</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.2	6.7	6.7	6.4	6.7	6.5	6.5	7.1	7.1	7.3	7.3	7.1	7.1	7.4	6.2	6.4	6.4	5.6	5.6	5.8	6.5
39 <i>C. vicina</i> <sup>8b</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.2	6.7	6.7	6.4	6.7	6.5	6.5	7.1	7.1	7.3	7.3	7.1	7.1	7.4	6.2	6.4	6.4	5.9	5.9	5.8	6.5
40 <i>C. vicina</i> <sup>8c</sup>	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.5	6.5	6.7	6.7	6.4	6.7	6.5	6.5	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.5	6.7	6.7	6.2	6.2	6.1	6.8
41 <i>C. vicina</i> <sup>8d</sup>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.5	6.5	7.0	7.0	6.7	7.0	6.8	6.8	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.5	6.7	6.7	5.9	5.9	6.1	6.8
42 <i>C. vicina</i> <sup>8e</sup>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.8	6.5	7.0	7.0	6.7	7.0	6.8	6.8	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.5	6.7	6.7	5.9	5.9	6.1	6.8
43 <i>C. vicina</i> <sup>8f</sup>	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.7	6.4	6.8	6.8	6.5	6.8	6.4	6.4	7.3	7.3	7.4	7.4	7.3	7.3	7.6	6.4	6.5	6.5	6.1	6.1	5.9	6.7
44 <i>C. vicina</i> <sup>8g</sup>	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.7	6.7	7.1	7.1	6.8	7.1	7.0	7.0	7.6	7.6	7.8	7.8	7.6	7.6	7.9	6.7	6.8	6.8	6.4	6.4	6.2	7.0
45 <i>C. vicina</i> <sup>8h</sup>	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	7.0	6.7	7.1	7.1	6.8	7.1	7.0	7.0	7.1	7.1	7.3	7.3	7.1	7.1	7.4	6.7	6.8	6.8	5.6	5.6	5.8	6.5
46 <i>C. vicina</i> <sup>8i</sup>	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	7.0	6.7	7.1	7.1	6.8	7.1	7.0	7.0	7.4	7.4	7.6	7.6	7.4	7.4	7.8	6.7	6.8	6.8	5.9	5.9	6.1	6.8
47 <i>C. vomitoria</i> <sup>8a</sup>	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.9	5.9	6.2	6.4	6.4	6.4	6.4	6.7	6.8	7.8	7.8	7.9	7.9	7.8	7.8	7.9	6.8	7.0	7.0	5.6	5.6	5.5	6.2
48 <i>C. vomitoria</i> <sup>8a</sup>	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.9	5.9	6.2	6.4	6.4	6.4	6.4	6.7	6.8	7.8	7.8	7.9	7.9	7.8	7.8	7.9	6.8	7.0	7.0	5.6	5.6	5.5	6.2
49 <i>C. vomitoria</i> <sup>8b</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.1	6.1	6.5	6.5	6.5	6.5	6.8	7.0	7.4	7.4	7.6	7.6	7.4	7.4	7.6	6.7	6.8	6.8	5.3	5.3	5.2	5.9
50 <i>C. vomitoria</i> <sup>8b</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.1	6.1	6.5	6.5	6.5	6.5	6.8	7.0	7.4	7.4	7.6	7.6	7.4	7.4	7.6	6.7	6.8	6.8	5.3	5.3	5.2	5.9
51 <i>C. vomitoria</i> <sup>8c</sup>	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.9	5.9	5.9	6.4	6.4	6.4	6.4	6.7	6.8	7.4	7.4	7.6	7.6	7.4	7.4	7.6	6.5	6.7	6.7	5.3	5.3	5.2	5.9
52 <i>C. vomitoria</i> <sup>8d</sup>	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.1	6.1	6.4	6.5	6.5	6.5	6.5	6.8	7.0	7.9	7.9	8.1	8.1	7.9	7.9	8.1	7.0	7.1	7.1	5.8	5.8	5.6	6.4
53 <i>C. vomitoria</i> <sup>8e</sup>	5.5	5.8	5.8	5.8	5.8	5.8	5.8	5.5	5.8	5.5	5.6	5.9	5.9	5.6	7.4	7.6	7.8	7.8	7.9	7.9	7.8	7.8	8.1	7.1	7.0	7.3	5.3	5.3	5.2	5.9
54 <i>L. sericata</i> <sup>8a</sup>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	3.8	4.0	5.8	5.8	5.9	5.9	5.8	5.9	6.1	3.5	3.6	3.3	4.7	4.7	4.6	5.0
55 <i>L. sericata</i> <sup>8a</sup>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	3.8	4.0	5.8	5.8	5.9	5.9	5.8	5.9	6.1	3.5	3.6	3.3	4.7	4.7	4.6	5.0
56 <i>L. sericata</i> <sup>8b</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.6	3.8	3.5	4.6	4.6	4.7	5.2
57 <i>L. sericata</i> <sup>8b</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.6	3.8	3.5	4.6	4.6	4.7	5.2
58 <i>L. sericata</i> <sup>8f</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.5	0.5	0.5	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.6	3.8	3.5	4.9	4.9	4.7	5.2
59 <i>L. sericata</i> <sup>8c</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.5	0.5	0.5	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.6	3.8	3.5	4.9	4.9	4.7	5.2
60 <i>L. sericata</i> <sup>8f</sup>	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.5	0.5	0.2	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.6	3.5	3.5	4.9	4.9	4.7	5.2

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX; <sup>j</sup>Haplotype HX; <sup>k</sup>Haplotype HXI; <sup>l</sup>Haplotype HXII; <sup>m</sup>Haplotype HXIII; <sup>n</sup>Haplotype HXIV; <sup>o</sup>Haplotype HXV; <sup>p</sup>Haplotype HXVI; <sup>q</sup>Haplotype HXVII; <sup>r</sup>Haplotype HXVIII; <sup>s</sup>Haplotype HXIX; <sup>t</sup>Haplotype HXX; <sup>u</sup>Haplotype HXXI; <sup>v</sup>Haplotype HXXII; <sup>w</sup>Haplotype HXXIII; <sup>x</sup>Haplotype HXXIV; <sup>y</sup>Haplotype HXXV; <sup>z</sup>Haplotype HXXVI; <sup>aa</sup>Haplotype HXXVII; <sup>ab</sup>Haplotype HXXVIII; <sup>ac</sup>Haplotype HXXIX; <sup>ad</sup>Haplotype HXXX; <sup>ae</sup>Haplotype HXXXI; <sup>af</sup>Haplotype HXXXII; <sup>ag</sup>Haplotype HXXXIII; <sup>ah</sup>Haplotype HXXXIV.

Material suplementario / Supplementary material

Table S51. (Continued)

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	
61 <i>L. sericata</i> <sup>(*)</sup>	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.5	0.5	0.2	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.6	3.5	3.5	4.9	4.9	4.7	5.2	
62 <i>L. sericata</i> <sup>†</sup>	2	—	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.6	3.8	3.5	4.9	4.9	4.7	5.2	
63 <i>L. sericata</i> <sup>(*)</sup>	2	0	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	4.0	4.1	4.4	4.4	6.1	6.1	5.9	6.1	6.2	3.6	3.8	3.5	4.9	4.9	4.7	5.2	
64 <i>L. sericata</i> <sup>(*)</sup>	2	2	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.6	3.8	3.5	4.9	4.9	4.7	5.2	
65 <i>L. sericata</i> <sup>†</sup>	2	2	2	2	—	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.6	3.8	3.5	4.9	4.9	4.7	5.2	
66 <i>L. sericata</i> <sup>†</sup>	2	2	2	2	2	—	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.3	3.5	3.2	4.9	4.9	4.7	5.2	
67 <i>L. sericata</i> <sup>†</sup>	2	2	2	2	2	2	—	0.3	0.3	0.3	0.5	0.5	0.5	0.5	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.3	3.5	3.2	4.9	4.9	4.7	5.2	
68 <i>L. sericata</i>	2	2	2	2	2	2	2	—	0.3	0.3	0.5	0.5	0.5	0.5	3.6	3.8	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.3	3.5	3.2	4.6	4.6	4.4	5.2	
69 <i>L. sericata</i> <sup>†</sup>	2	2	2	2	2	2	2	—	0.3	0.5	0.5	0.5	0.5	0.5	4.0	4.1	5.9	5.9	6.1	6.1	5.9	6.1	6.2	3.6	3.8	3.5	4.9	4.9	4.7	5.2	
70 <i>L. sericata</i>	2	2	2	2	2	2	2	2	—	0.5	0.5	0.5	0.5	0.5	4.0	4.1	5.6	5.6	5.8	5.8	5.6	5.8	5.9	3.3	3.5	3.2	4.6	4.6	4.4	4.9	
71 <i>L. sericata</i> <sup>†</sup>	1	3	3	3	3	3	3	3	3	3	—	0.6	0.6	0.3	4.1	4.3	6.1	6.1	6.2	6.2	6.1	6.2	6.4	3.8	3.6	3.6	5.0	5.0	4.9	5.3	
72 <i>L. sericata</i> <sup>†</sup>	3	3	3	3	3	3	3	3	3	3	4	—	0.6	0.6	4.1	4.3	6.1	6.1	6.2	6.2	6.1	6.2	6.4	3.8	4.0	3.6	5.0	5.0	4.9	5.3	
73 <i>L. sericata</i> <sup>†</sup>	3	3	3	3	3	3	3	3	3	3	4	4	—	0.6	3.8	4.0	6.1	6.1	6.2	6.2	6.1	6.2	6.4	3.5	3.6	3.3	5.0	5.0	4.9	5.3	
74 <i>L. sericata</i> <sup>†</sup>	1	3	3	3	3	3	3	3	3	3	2	4	4	—	4.1	4.3	6.1	6.1	6.2	6.2	6.1	6.2	6.4	3.8	3.6	3.6	5.0	5.0	4.9	5.3	
75 <i>L. richardsi</i> <sup>(*)</sup>	26	26	26	26	26	26	26	24	26	26	27	27	25	27	—	0.2	7.3	7.3	7.4	7.4	7.3	7.4	7.3	1.8	2.0	2.0	6.1	6.1	5.9	6.7	
76 <i>L. richardsi</i> <sup>†</sup>	27	27	27	27	27	27	27	25	27	27	28	28	26	28	1	—	7.4	7.4	7.6	7.6	7.4	7.6	7.4	1.7	1.8	1.8	6.2	6.2	6.1	6.8	
77 <i>L. ampullacea</i> <sup>(*)</sup>	39	39	29	39	39	39	39	39	39	39	37	40	40	40	40	48	49	—	0.0	0.2	0.2	0.2	0.2	0.3	6.4	6.5	6.4	3.8	3.8	3.6	3.5
78 <i>L. ampullacea</i> <sup>(*)</sup>	39	39	29	39	39	39	39	39	39	39	37	40	40	40	48	49	0	—	0.2	0.2	0.2	0.2	0.3	6.4	6.5	6.4	3.8	3.8	3.6	3.5	
79 <i>L. ampullacea</i> <sup>(*)</sup>	40	40	40	40	40	40	40	40	40	38	41	41	41	41	49	50	1	1	—	0.3	0.3	0.3	0.5	6.5	6.7	6.5	4.0	4.0	3.8	3.6	
80 <i>L. ampullacea</i> <sup>(*)</sup>	40	40	40	40	40	40	40	40	40	38	41	41	41	41	49	50	1	1	2	—	0.3	0.3	0.5	6.5	6.7	6.5	4.0	4.0	3.8	3.6	
81 <i>L. ampullacea</i> <sup>(*)</sup>	39	39	39	39	39	39	39	39	39	39	37	40	40	40	48	49	1	1	2	2	—	0.3	0.5	6.4	6.5	6.4	4.0	4.0	3.8	3.6	
82 <i>L. ampullacea</i> <sup>†</sup>	40	40	40	40	40	40	40	40	40	38	41	41	41	41	49	50	1	1	2	2	2	—	0.5	6.5	6.7	6.5	3.8	3.8	3.6	3.5	
83 <i>L. ampullacea</i> <sup>†</sup>	41	41	41	41	41	41	41	41	41	39	42	42	42	42	48	49	2	2	3	3	3	—	6.7	6.8	6.7	4.1	4.1	4.0	3.8		
84 <i>L. silvarum</i> <sup>(*)</sup>	24	24	24	24	24	22	22	22	24	22	25	25	23	25	12	11	42	42	43	43	42	43	44	—	0.2	0.2	5.2	5.2	5.0	5.8	
85 <i>L. silvarum</i> <sup>(*)</sup>	23	25	25	25	25	23	23	23	25	23	24	26	24	24	13	12	43	43	44	44	43	44	44	45	1	—	0.3	5.3	5.3	5.2	5.9
86 <i>L. silvarum</i> <sup>(*)</sup>	23	23	23	23	23	21	21	21	23	21	24	24	22	24	13	12	42	42	43	43	42	43	44	1	2	—	5.0	5.0	4.9	5.6	
87 <i>L. caesar</i> <sup>†</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	40	41	25	25	26	26	26	25	27	34	35	33	—	0.0	0.2	0.9	
88 <i>L. caesar</i> <sup>(*)</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	40	41	25	25	26	26	26	25	27	34	35	33	0	—	0.2	0.9	
89 <i>L. caesar</i> <sup>(*)</sup>	31	31	31	31	31	31	31	29	31	29	32	32	32	32	39	40	24	24	25	25	25	24	26	33	34	32	1	1	—	0.8	
90 <i>L. caesar</i> <sup>(*)</sup>	34	34	34	34	34	34	34	34	34	32	35	35	35	35	44	45	23	23	24	24	24	23	25	38	39	37	6	6	5	—	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51. (Continued)**

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91 <i>L. caesar</i> <sup>d</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	40	41	23	23	24	24	24	23	25	36	37	35	4	4	3	4
92 <i>L. caesar</i> <sup>(*)d</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	40	41	23	23	24	24	24	23	25	36	37	35	4	4	3	4
93 <i>L. caesar</i> <sup>e</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	41	42	24	24	25	25	25	24	26	35	36	34	3	3	2	5
94 <i>L. caesar</i> <sup>(*)e</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	41	42	24	24	25	25	25	24	26	35	36	34	3	3	2	5
95 <i>L. caesar</i> <sup>(*)f</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	40	41	21	21	22	22	22	21	23	34	35	33	4	4	3	4
96 <i>L. caesar</i> <sup>(*)g</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	39	40	26	26	27	27	27	26	28	33	34	32	1	1	2	7
97 <i>L. caesar</i> <sup>(*)h</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	41	42	22	22	23	23	23	22	24	35	36	34	3	3	2	3
98 <i>L. caesar</i> <sup>(*)i</sup>	35	35	35	35	35	35	35	35	35	33	36	36	36	36	45	46	22	22	23	23	23	22	24	39	40	38	7	7	6	1
99 <i>L. caesar</i> <sup>(*)j</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	43	44	30	30	31	31	31	30	30	39	40	38	7	7	8	11
100 <i>L. caesar</i> <sup>k</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	41	42	26	26	27	27	27	26	28	35	36	34	1	1	2	7
101 <i>L. caesar</i> <sup>l</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	41	42	26	26	27	27	27	26	28	35	36	34	1	1	2	7
102 <i>L. caesar</i> <sup>m</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	40	41	26	26	27	27	27	26	28	34	35	33	1	1	2	7
103 <i>L. caesar</i> <sup>n</sup>	31	33	33	33	33	33	33	31	33	31	32	34	34	32	41	42	26	26	27	27	27	26	28	35	34	34	1	1	2	7
104 <i>L. caesar</i> <sup>o</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	41	42	24	24	25	25	25	24	26	35	36	34	1	1	2	5
105 <i>L. caesar</i> <sup>p</sup>	30	32	32	32	32	32	32	30	32	30	31	33	33	31	40	41	25	25	26	26	26	25	27	34	33	33	2	2	1	6
106 <i>L. caesar</i> <sup>q</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	40	41	23	23	24	24	24	23	25	34	35	33	2	2	1	4
107 <i>L. caesar</i> <sup>r</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	40	41	23	23	24	24	24	23	25	34	35	33	2	2	1	6
108 <i>L. caesar</i> <sup>s</sup>	31	31	31	31	31	31	31	31	31	29	32	32	32	32	41	42	22	22	23	23	23	22	24	35	36	34	3	3	2	3
109 <i>L. caesar</i> <sup>t</sup>	31	31	31	31	31	31	31	29	31	29	32	32	32	32	39	40	24	24	25	25	25	24	26	35	36	34	3	3	2	5
110 <i>L. caesar</i> <sup>u</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	41	42	24	24	25	25	25	24	26	35	36	34	3	3	2	5
111 <i>L. caesar</i> <sup>v</sup>	30	30	30	30	30	30	30	30	30	28	31	31	31	31	40	41	23	23	24	24	24	23	25	34	35	33	4	4	3	4
112 <i>L. caesar</i> <sup>w</sup>	36	36	36	36	36	36	36	34	36	34	37	37	37	37	44	45	25	25	26	26	26	25	27	38	39	37	4	4	5	2
113 <i>L. caesar</i> <sup>x</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	40	41	24	24	25	25	25	24	26	36	37	35	5	5	4	5
114 <i>L. caesar</i> <sup>y</sup>	33	33	33	33	33	33	33	33	33	31	34	34	34	34	43	44	22	22	23	23	23	22	24	37	38	36	5	5	4	1
115 <i>L. caesar</i> <sup>z</sup>	33	33	33	33	33	33	33	33	33	31	34	34	34	34	43	44	24	24	25	25	25	24	26	37	38	36	5	5	4	1
116 <i>L. caesar</i> <sup>aa</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	41	42	22	22	23	23	23	22	24	35	36	34	5	5	4	5
117 <i>L. caesar</i> <sup>ab</sup>	34	34	34	34	34	34	34	34	34	32	35	35	35	35	44	45	23	23	24	24	24	23	25	38	39	37	6	6	5	2
118 <i>L. caesar</i> <sup>ac</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	42	43	29	29	30	30	30	29	29	38	39	37	6	6	7	10
119 <i>L. caesar</i> <sup>ad</sup>	35	35	35	35	35	35	35	35	35	33	36	36	36	36	45	46	24	24	25	25	25	24	26	39	40	38	7	7	6	1
120 <i>L. caesar</i> <sup>ae</sup>	33	33	33	33	33	33	33	33	33	33	34	34	34	34	43	44	24	24	25	25	25	24	26	39	40	38	7	7	6	1

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

*Material suplementario / Supplementary material*

**Table S51.** (Continued)

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
121 <i>L. caesar</i> <sup>af</sup>	35	35	35	35	35	35	35	35	35	33	36	36	36	36	45	46	24	24	25	25	25	24	26	39	40	38	7	7	6	1
122 <i>L. caesar</i> <sup>ag</sup>	36	36	36	36	36	36	36	36	36	34	37	37	37	37	46	47	23	23	24	24	24	23	25	40	41	39	8	8	7	2
123 <i>L. caesar</i> <sup>ah</sup>	34	36	36	36	36	36	36	36	36	34	35	37	37	35	46	47	25	25	26	26	26	25	27	40	39	39	8	8	7	2
124 <i>L. illustris</i> <sup>a</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	43	44	30	30	31	31	31	30	30	39	40	38	7	7	8	11
125 <i>L. illustris</i> <sup>ba</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	43	44	30	30	31	31	31	30	30	39	40	38	7	7	8	11
126 <i>L. illustris</i> <sup>bb</sup>	33	33	33	33	33	33	33	31	33	33	34	34	34	34	43	44	30	30	31	31	31	30	30	41	42	40	7	7	8	11
127 <i>L. illustris</i> <sup>bc</sup>	31	31	31	31	31	31	31	29	31	29	32	32	32	32	41	42	28	28	29	29	29	28	28	37	38	36	7	7	6	9
128 <i>L. illustris</i> <sup>bd</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	42	43	29	29	30	30	30	29	29	38	39	37	6	6	7	10
129 <i>L. illustris</i> <sup>be</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	42	43	29	29	30	30	30	29	29	38	39	37	6	6	7	10
130 <i>L. illustris</i> <sup>bf</sup>	34	34	34	34	34	34	34	32	34	32	35	35	35	35	42	43	29	29	30	30	30	29	29	38	39	37	6	6	7	10
131 <i>L. illustris</i> <sup>bg</sup>	32	32	32	32	32	32	32	30	32	30	33	33	33	33	42	43	29	29	30	30	30	29	29	38	39	37	8	8	7	10
132 <i>L. illustris</i> <sup>bh</sup>	30	30	30	30	30	30	30	28	30	28	31	31	31	31	40	41	27	27	28	28	28	27	27	36	37	35	6	6	5	8
133 <i>L. illustris</i> <sup>bi</sup>	32	32	32	32	32	32	32	30	32	32	33	33	33	33	42	43	31	31	32	32	32	31	31	40	41	39	8	8	9	12
134 <i>L. illustris</i> <sup>bj</sup>	33	33	33	33	33	33	33	31	33	31	34	34	34	34	43	44	28	28	29	29	29	28	28	39	40	38	5	5	6	9
135 <i>L. illustris</i> <sup>bk</sup>	31	31	31	31	31	31	31	29	31	29	32	32	32	32	43	44	28	28	29	29	29	28	30	37	38	36	5	5	6	9
136 <i>L. illustris</i> <sup>bl</sup>	34	34	34	34	34	34	34	32	34	32	35	35	35	35	44	43	31	31	32	32	32	31	31	38	39	37	8	8	9	12
137 <i>L. illustris</i> <sup>bm</sup>	31	33	33	33	33	33	33	31	33	31	32	34	34	32	43	44	30	30	31	31	31	30	30	39	38	38	11	11	10	13
138 <i>L. illustris</i> <sup>bn</sup>	35	35	35	35	35	35	35	33	35	33	34	36	36	36	41	42	30	30	31	31	31	30	30	37	38	36	9	9	8	11
139 <i>L. illustris</i> <sup>bo</sup>	34	34	34	34	34	34	34	32	34	34	35	35	35	35	44	45	31	31	32	32	32	31	31	42	43	41	8	8	9	12
140 <i>L. illustris</i> <sup>bp</sup>	35	35	35	35	35	35	35	35	35	33	36	36	36	36	45	46	22	22	23	23	23	22	24	39	40	38	7	7	6	1
141 <i>L. bufonivora</i> <sup>a</sup>	24	24	24	24	22	24	24	24	24	24	25	23	25	25	29	30	39	39	40	40	39	40	41	27	28	26	36	36	35	36
142 <i>L. bufonivora</i> <sup>ba</sup>	24	24	24	24	22	24	24	24	24	24	25	23	25	25	29	30	39	39	40	40	39	40	41	27	28	26	36	36	35	36

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51. (Continued)**

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	
1 <i>Ch. albiceps</i> <sup>a)</sup>	9.0	9.0	9.1	9.1	9.3	8.8	9.1	9.7	9.1	8.7	8.8	8.8	8.5	8.8	8.7	9.0	9.0	9.1	8.8	9.1	9.0	9.3	9.1	9.4	9.4	9.4	9.6	9.0	9.7	9.7	
2 <i>Ch. albiceps</i> <sup>a)</sup>	9.0	9.0	9.1	9.1	9.3	8.8	9.1	9.7	9.1	8.7	8.8	8.8	8.5	8.8	8.7	9.0	9.0	9.1	8.8	9.1	9.0	9.3	9.1	9.4	9.4	9.4	9.6	9.0	9.7	9.7	
3 <i>Ch. albiceps</i> <sup>b)</sup>	9.1	9.1	9.3	9.3	9.4	9.0	9.3	9.9	9.3	8.8	9.0	9.0	8.7	9.0	8.8	9.1	9.1	9.3	9.0	9.3	9.1	9.4	9.3	9.6	9.6	9.6	9.7	9.1	9.9	9.9	
4 <i>Ch. albiceps</i> <sup>c)</sup>	9.0	9.0	9.1	9.1	9.3	8.8	9.1	9.7	9.1	8.7	8.8	8.8	8.5	8.8	8.7	9.0	9.0	9.1	8.8	9.1	9.0	9.3	9.1	9.4	9.4	9.4	9.6	9.0	9.7	9.7	
5 <i>C. vicina</i> <sup>a)</sup>	6.2	6.2	6.1	6.1	6.2	6.1	6.1	6.7	6.4	6.1	6.1	5.9	6.1	6.1	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.2	6.7	6.7	
6 <i>C. vicina</i> <sup>a)</sup>	6.2	6.2	6.1	6.1	6.2	6.1	6.1	6.7	6.4	6.1	6.1	5.9	6.1	6.1	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.2	6.7	6.7	
7 <i>C. vicina</i> <sup>b)</sup>	6.4	6.4	6.2	6.2	6.4	5.9	6.2	6.8	6.2	5.9	5.9	5.8	5.9	5.9	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.5	6.5	6.5	6.7	6.1	6.8	6.8
8 <i>C. vicina</i> <sup>b)</sup>	6.4	6.4	6.2	6.2	6.4	5.9	6.2	6.8	6.2	5.9	5.9	5.8	5.9	5.9	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.5	6.5	6.5	6.7	6.1	6.8	6.8
9 <i>C. vicina</i> <sup>c)</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.7	6.4	6.8	6.8
10 <i>C. vicina</i> <sup>c)</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.7	6.4	6.8	6.8
11 <i>C. vicina</i> <sup>d)</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.7	6.4	6.8	6.5
12 <i>C. vicina</i> <sup>d)</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.7	6.4	6.8	6.5
13 <i>C. vicina</i> <sup>e)</sup>	6.4	6.4	6.2	6.2	6.4	5.9	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.4	6.5	6.5	6.5	6.7	6.4	6.8	6.8
14 <i>C. vicina</i> <sup>f)</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.8	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.7	6.7	6.8	6.5
15 <i>C. vicina</i> <sup>g)</sup>	6.5	6.5	6.4	6.4	6.5	6.1	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.8	6.2	7.0	7.0
16 <i>C. vicina</i> <sup>g)</sup>	6.5	6.5	6.4	6.4	6.5	6.1	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.8	6.2	7.0	7.0	
17 <i>C. vicina</i> <sup>h)</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.7	6.4	6.8	6.8
18 <i>C. vicina</i> <sup>i)</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.7	6.4	6.8	6.8
19 <i>C. vicina</i>	6.1	6.1	5.9	5.9	6.1	5.9	5.9	6.5	6.2	5.9	5.9	5.8	5.9	5.9	5.8	5.8	5.8	5.9	5.9	5.9	5.9	6.1	6.4	6.2	6.2	6.2	6.2	6.4	6.1	6.5	6.5
20 <i>C. vicina</i> <sup>j)</sup>	6.1	6.1	5.9	5.9	6.1	5.9	5.9	6.5	6.2	5.9	5.9	5.8	5.9	5.9	5.8	5.8	5.8	5.9	5.9	5.9	6.1	6.4	6.2	6.2	6.2	6.2	6.2	6.4	6.1	6.5	6.5
21 <i>C. vicina</i> <sup>k)</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.7	6.4	6.8	6.8
22 <i>C. vicina</i>	6.1	6.1	5.9	5.9	6.1	5.9	5.9	6.5	6.5	5.9	5.9	5.8	5.9	5.9	5.8	5.8	5.8	5.9	5.9	5.9	6.1	6.4	6.2	6.2	6.2	6.2	6.2	6.4	6.4	6.5	6.5
23 <i>C. vicina</i> <sup>m)</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.7	6.4	6.8	6.8
24 <i>C. vicina</i> <sup>n)</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.4	6.4	6.8	6.8
25 <i>C. vicina</i> <sup>o)</sup>	6.2	6.2	6.1	6.1	6.2	5.8	6.1	6.7	6.1	5.8	5.8	5.6	5.8	5.8	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.2	6.4	6.4	6.4	6.4	6.4	6.5	5.9	6.7	6.7
26 <i>C. vicina</i> <sup>o)</sup>	6.2	6.2	6.1	6.1	6.2	5.8	6.1	6.7	6.1	5.8	5.8	5.6	5.8	5.8	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.2	6.4	6.4	6.4	6.4	6.4	6.5	5.9	6.7	6.7
27 <i>C. vicina</i> <sup>p)</sup>	6.2	6.2	6.1	6.1	6.2	6.1	6.1	6.7	6.4	6.1	6.1	5.9	6.1	6.1	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.5	6.4	6.4	6.4	6.4	6.5	6.2	6.7	6.7	
28 <i>C. vicina</i> <sup>q)</sup>	6.5	6.5	6.4	6.4	6.5	5.8	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.5	6.7	6.7	6.7	6.8	6.2	7.0	7.0	
29 <i>C. vicina</i> <sup>r)</sup>	6.5	6.5	6.4	6.4	6.5	6.1	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.8	6.2	7.0	6.7	
30 <i>C. vicina</i> <sup>s)</sup>	6.2	6.2	6.1	6.1	6.2	6.1	6.1	6.7	6.4	6.1	6.1	5.9	6.1	6.1	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.5	6.4	6.4	6.4	6.4	6.5	6.2	6.7	6.7	

<sup>a)</sup> Haplotype HI; <sup>b)</sup> Haplotype HII; <sup>c)</sup> Haplotype HIII; <sup>d)</sup> Haplotype HIV; <sup>e)</sup> Haplotype HV; <sup>f)</sup> Haplotype HVI; <sup>g)</sup> Haplotype HVII; <sup>h)</sup> Haplotype HVIII; <sup>i)</sup> Haplotype HIX; <sup>j)</sup> Haplotype HX; <sup>k)</sup> Haplotype HXI; <sup>l)</sup> Haplotype HXII; <sup>m)</sup> Haplotype HXIII; <sup>n)</sup> Haplotype HXIV; <sup>o)</sup> Haplotype HXV; <sup>p)</sup> Haplotype HXVI; <sup>q)</sup> Haplotype HXVII; <sup>r)</sup> Haplotype HXVIII; <sup>s)</sup> Haplotype HXIX; <sup>t)</sup> Haplotype HXX; <sup>u)</sup> Haplotype HXXI; <sup>v)</sup> Haplotype HXXII; <sup>w)</sup> Haplotype HXXIII; <sup>x)</sup> Haplotype HXXIV; <sup>y)</sup> Haplotype HXXV; <sup>z)</sup> Haplotype HXXVI; <sup>aa)</sup> Haplotype HXXVII; <sup>ab)</sup> Haplotype HXXVIII; <sup>ac)</sup> Haplotype HXXIX; <sup>ad)</sup> Haplotype HXXX; <sup>ae)</sup> Haplotype HXXXI; <sup>af)</sup> Haplotype HXXXII; <sup>ag)</sup> Haplotype HXXXIII; <sup>ah)</sup> Haplotype HXXXIV.



*Material suplementario / Supplementary material*

**Table S51.** (Continued)

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
31 <i>C. vicina</i> <sup>a</sup>	6.5	6.5	6.4	6.4	6.5	6.1	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.8	6.2	7.0	7.0
32 <i>C. vicina</i> <sup>u</sup>	6.2	6.2	6.1	6.1	6.2	6.1	6.1	6.7	6.4	6.1	6.1	5.9	6.1	6.1	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.5	6.4	6.4	6.4	6.4	6.5	6.2	6.7	6.7
33 <i>C. vicina</i> <sup>v</sup>	6.2	6.2	6.1	6.1	6.2	6.1	6.1	6.7	6.2	6.1	6.1	5.9	6.1	6.1	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.5	6.4	6.4	6.4	6.4	6.5	6.1	6.7	6.7
34 <i>C. vicina</i> <sup>w</sup>	6.5	6.5	6.4	6.4	6.5	6.1	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.8	6.2	7.0	7.0
35 <i>C. vicina</i> <sup>x</sup>	6.5	6.5	6.4	6.4	6.5	6.1	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.8	6.2	7.0	7.0
36 <i>C. vicina</i> <sup>y</sup>	6.5	6.5	6.4	6.4	6.5	6.4	6.4	7.0	6.7	6.4	6.4	6.2	6.4	6.4	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.8	6.7	6.7	6.7	6.7	6.8	6.5	7.0	6.7
37 <i>C. vicina</i> <sup>z</sup>	6.5	6.5	6.4	6.4	6.5	6.1	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.8	6.2	7.0	7.0
38 <i>C. vicina</i> <sup>aa</sup>	6.2	6.2	6.1	6.1	6.2	5.8	6.1	6.7	6.1	5.8	5.8	5.6	5.8	5.8	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.2	6.4	6.4	6.4	6.4	6.5	5.9	6.7	6.7
39 <i>C. vicina</i> <sup>ab</sup>	6.2	6.2	6.1	6.1	6.2	6.1	6.1	6.7	6.4	6.1	6.1	5.9	6.1	6.1	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.5	6.4	6.4	6.4	6.4	6.5	6.2	6.7	6.7
40 <i>C. vicina</i> <sup>ac</sup>	6.5	6.5	6.4	6.4	6.5	6.4	6.4	7.0	6.7	6.4	6.4	6.2	6.4	6.4	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.8	6.7	6.7	6.7	6.7	6.8	6.5	7.0	6.7
41 <i>C. vicina</i> <sup>ad</sup>	6.5	6.5	6.4	6.4	6.5	6.1	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.8	6.2	7.0	7.0
42 <i>C. vicina</i> <sup>ae</sup>	6.5	6.5	6.4	6.4	6.5	6.1	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.8	6.2	7.0	7.0
43 <i>C. vicina</i> <sup>af</sup>	6.4	6.4	6.2	6.2	6.4	6.2	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.4	6.7	6.5	6.5	6.5	6.5	6.7	6.4	6.8	6.8
44 <i>C. vicina</i> <sup>ag</sup>	6.7	6.7	6.5	6.5	6.7	6.5	6.5	7.1	6.8	6.5	6.5	6.4	6.5	6.5	6.4	6.4	6.4	6.5	6.5	6.5	6.7	7.0	6.8	6.8	6.8	6.8	7.0	6.7	7.1	7.1
45 <i>C. vicina</i> <sup>ah</sup>	6.2	6.2	6.1	6.1	6.2	5.8	6.1	6.7	6.4	5.8	5.8	5.6	5.8	5.8	5.9	5.9	5.9	6.1	6.1	6.1	6.2	6.2	6.4	6.4	6.4	6.4	6.5	6.2	6.7	6.7
46 <i>C. vicina</i> <sup>ai</sup>	6.5	6.5	6.4	6.4	6.5	6.1	6.4	7.0	6.4	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2	6.4	6.4	6.4	6.5	6.5	6.7	6.7	6.7	6.7	6.8	6.2	7.0	7.0
47 <i>C. vomitoria</i> <sup>a)</sup>	5.6	5.6	5.8	5.8	5.9	5.5	5.8	6.4	6.2	5.8	5.8	5.6	5.8	5.8	5.6	5.6	5.6	5.8	5.5	5.8	5.9	6.2	5.6	6.1	6.1	6.1	6.2	6.1	6.4	6.1
48 <i>C. vomitoria</i> <sup>*a)</sup>	5.6	5.6	5.8	5.8	5.9	5.5	5.8	6.4	6.2	5.8	5.8	5.6	5.8	5.8	5.6	5.6	5.6	5.8	5.5	5.8	5.9	6.2	5.6	6.1	6.1	6.1	6.2	6.1	6.4	6.1
49 <i>C. vomitoria</i> <sup>b)</sup>	5.3	5.3	5.5	5.5	5.6	5.2	5.5	6.1	6.2	5.5	5.5	5.3	5.5	5.5	5.3	5.3	5.3	5.5	5.2	5.5	5.6	5.9	5.3	5.8	5.8	5.8	5.9	6.1	6.1	6.1
50 <i>C. vomitoria</i> <sup>*b)</sup>	5.3	5.3	5.5	5.5	5.6	5.2	5.5	6.1	6.2	5.5	5.5	5.3	5.5	5.5	5.3	5.3	5.3	5.5	5.2	5.5	5.6	5.9	5.3	5.8	5.8	5.8	5.9	6.1	6.1	6.1
51 <i>C. vomitoria</i> <sup>ac</sup>	5.3	5.3	5.5	5.5	5.6	5.2	5.5	6.1	6.2	5.5	5.5	5.3	5.5	5.5	5.3	5.3	5.3	5.5	5.2	5.5	5.6	5.9	5.3	5.8	5.8	5.8	5.9	6.1	6.1	6.1
52 <i>C. vomitoria</i> <sup>*d)</sup>	5.8	5.8	5.9	5.9	6.1	5.6	5.9	6.5	6.4	5.9	5.9	5.8	5.9	5.9	5.8	5.8	5.8	5.9	5.6	5.9	6.1	6.4	5.8	6.2	6.2	6.2	6.4	6.2	6.5	6.2
53 <i>C. vomitoria</i> <sup>e)</sup>	5.3	5.3	5.5	5.5	5.6	5.5	5.5	6.1	5.2	5.5	5.5	5.3	5.2	5.5	5.0	5.3	5.3	5.5	5.2	5.5	5.6	5.9	5.5	5.8	5.8	5.8	5.9	5.0	6.1	6.1
54 <i>L. sericata</i> <sup>a)</sup>	4.7	4.7	4.9	4.9	4.7	4.9	4.9	5.2	4.9	4.9	4.9	4.7	4.9	4.9	4.7	4.7	4.7	4.6	4.6	4.9	4.4	5.3	4.9	4.9	4.9	4.9	5.0	4.7	5.2	4.9
55 <i>L. sericata</i> <sup>*a)</sup>	4.7	4.7	4.9	4.9	4.7	4.9	4.9	5.2	4.9	4.9	4.9	4.7	4.9	4.9	4.7	4.7	4.7	4.6	4.6	4.9	4.4	5.3	4.9	4.9	4.9	4.9	5.0	4.7	5.2	4.9
56 <i>L. sericata</i> <sup>b)</sup>	4.9	4.9	5.0	5.0	4.9	4.7	5.0	5.3	4.7	4.7	4.7	4.6	4.7	4.7	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.2	5.0	5.0	5.0	5.0	5.2	4.6	5.3	5.0
57 <i>L. sericata</i> <sup>*b)</sup>	4.9	4.9	5.0	5.0	4.9	4.7	5.0	5.3	4.7	4.7	4.7	4.6	4.7	4.7	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.2	5.0	5.0	5.0	5.0	5.2	4.6	5.3	5.0
58 <i>L. sericata</i> <sup>c)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	4.9	5.0	5.0	5.0	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0
59 <i>L. sericata</i> <sup>*c)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	5.0	4.9	5.0	5.0	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0
60 <i>L. sericata</i> <sup>d)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	5.0	4.9	4.7	5.0	4.6	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51. (Continued)**

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	
61 <i>L. sericata</i> <sup>(*)d)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	5.0	4.9	4.7	5.0	4.6	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0	
62 <i>L. sericata</i> <sup>e)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	5.0	4.9	5.0	5.0	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0	
63 <i>L. sericata</i> <sup>(*)e)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	5.0	4.9	5.0	5.0	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0	
64 <i>L. sericata</i> <sup>(*)f)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	5.0	4.9	5.0	5.0	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0	
65 <i>L. sericata</i> <sup>(*)g)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	5.0	4.9	5.0	5.0	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0	
66 <i>L. sericata</i> <sup>(*)h)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	5.0	4.9	5.0	5.0	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0	
67 <i>L. sericata</i> <sup>(*)i)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	5.0	4.9	5.0	5.0	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0	
68 <i>L. sericata</i> <sup>(*)j)</sup>	4.6	4.6	4.7	4.7	4.6	4.7	4.7	5.3	4.7	4.7	4.7	4.6	4.7	4.7	4.6	4.6	4.6	4.7	4.4	4.7	4.6	5.2	4.7	5.0	5.0	4.7	5.2	4.6	5.3	5.0	
69 <i>L. sericata</i> <sup>(*)k)</sup>	4.9	4.9	5.0	5.0	4.9	5.0	5.0	5.3	5.0	5.0	5.0	4.9	5.0	5.0	4.9	4.9	4.9	4.7	4.7	5.0	4.6	5.5	5.0	5.0	5.0	5.0	5.2	4.9	5.3	5.0	
70 <i>L. sericata</i> <sup>(*)l)</sup>	4.6	4.6	4.7	4.7	4.6	4.7	4.7	5.0	4.7	4.7	4.7	4.6	4.7	4.7	4.6	4.6	4.6	4.4	4.4	4.7	4.3	5.2	4.7	4.7	4.7	4.7	4.9	4.6	5.0	5.0	
71 <i>L. sericata</i> <sup>(*)m)</sup>	5.0	5.0	5.2	5.2	5.0	5.2	5.2	5.5	5.2	5.2	5.2	5.0	4.9	5.2	4.7	5.0	5.0	4.9	4.9	5.2	4.7	5.6	5.2	5.2	5.2	5.2	5.2	5.3	5.0	5.5	5.2
72 <i>L. sericata</i> <sup>(*)n)</sup>	5.0	5.0	5.2	5.2	5.0	5.2	5.2	5.5	5.2	5.2	5.2	5.0	5.2	5.0	5.2	5.0	5.0	4.9	4.9	5.2	4.7	5.6	5.2	5.2	5.2	5.2	5.2	5.3	5.0	5.5	5.2
73 <i>L. sericata</i> <sup>(*)o)</sup>	5.0	5.0	5.2	5.2	5.0	5.2	5.2	5.5	5.2	5.2	5.2	5.0	5.2	5.2	5.0	5.0	5.0	4.9	4.9	5.2	4.7	5.6	5.2	5.2	5.2	5.2	5.2	5.3	5.0	5.5	5.2
74 <i>L. sericata</i> <sup>(*)p)</sup>	5.0	5.0	5.2	5.2	5.0	5.2	5.2	5.5	5.2	5.2	5.2	5.0	4.9	5.2	4.7	5.0	5.0	4.9	4.9	5.2	4.7	5.6	5.2	5.2	5.2	5.2	5.2	5.3	5.0	5.5	5.2
75 <i>L. richardsi</i> <sup>(*)q)</sup>	6.1	6.1	6.2	6.2	6.1	5.9	6.2	6.8	6.5	6.2	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.2	5.9	6.2	6.1	6.7	6.1	6.5	6.5	6.2	6.7	6.4	6.8	6.5	
76 <i>L. richardsi</i> <sup>(*)r)</sup>	6.2	6.2	6.4	6.4	6.2	6.1	6.4	7.0	6.7	6.4	6.4	6.2	6.4	6.4	6.2	6.2	6.2	6.4	6.1	6.4	6.2	6.8	6.2	6.7	6.7	6.4	6.8	6.5	7.0	6.7	
77 <i>L. ampullacea</i> <sup>(*)s)</sup>	3.5	3.5	3.6	3.6	3.2	4.0	3.3	3.3	4.6	4.0	4.0	4.0	4.0	3.6	3.8	3.5	3.5	3.3	3.6	3.6	3.5	3.8	3.6	3.3	3.6	3.3	3.5	4.4	3.6	3.6	
78 <i>L. ampullacea</i> <sup>(*)t)</sup>	3.5	3.5	3.6	3.6	3.2	4.0	3.3	3.3	4.6	4.0	4.0	4.0	4.0	3.6	3.8	3.5	3.5	3.3	3.6	3.6	3.5	3.8	3.6	3.3	3.6	3.3	3.5	4.4	3.6	3.6	
79 <i>L. ampullacea</i> <sup>(*)u)</sup>	3.6	3.6	3.8	3.8	3.3	4.1	3.5	3.5	4.7	4.1	4.1	4.1	4.1	3.8	4.0	3.6	3.6	3.5	3.8	3.8	3.6	4.0	3.8	3.5	3.8	3.5	3.6	4.6	3.8	3.8	
80 <i>L. ampullacea</i> <sup>(*)v)</sup>	3.6	3.6	3.8	3.8	3.3	4.1	3.5	3.5	4.7	4.1	4.1	4.1	4.1	3.8	4.0	3.6	3.6	3.5	3.8	3.8	3.6	4.0	3.8	3.5	3.8	3.5	3.6	4.6	3.8	3.8	
81 <i>L. ampullacea</i> <sup>(*)w)</sup>	3.6	3.6	3.8	3.8	3.3	4.1	3.5	3.5	4.7	4.1	4.1	4.1	4.1	3.8	4.0	3.6	3.6	3.5	3.8	3.8	3.6	4.0	3.8	3.5	3.8	3.5	3.6	4.6	3.8	3.8	
82 <i>L. ampullacea</i> <sup>(*)x)</sup>	3.5	3.5	3.6	3.6	3.2	4.0	3.3	3.3	4.6	4.0	4.0	4.0	4.0	3.6	3.8	3.5	3.5	3.3	3.6	3.6	3.5	3.8	3.6	3.3	3.6	3.3	3.5	4.4	3.6	3.6	
83 <i>L. ampullacea</i> <sup>(*)y)</sup>	3.8	3.8	4.0	4.0	3.5	4.3	3.6	3.6	4.6	4.3	4.3	4.3	4.3	4.0	4.1	3.8	3.8	3.6	4.0	4.0	3.8	4.1	4.0	3.6	4.0	3.6	3.8	4.4	4.0	4.0	
84 <i>L. silvarum</i> <sup>(*)z)</sup>	5.5	5.5	5.3	5.3	5.2	5.0	5.3	5.9	5.9	5.3	5.3	5.2	5.3	5.3	5.2	5.2	5.2	5.3	5.3	5.3	5.2	5.8	5.5	5.6	5.6	5.3	5.8	5.8	5.9	5.9	
85 <i>L. silvarum</i> <sup>(*)aa)</sup>	5.6	5.6	5.5	5.5	5.3	5.2	5.5	6.1	6.1	5.5	5.5	5.3	5.2	5.5	5.0	5.3	5.3	5.5	5.5	5.5	5.3	5.9	5.6	5.8	5.8	5.5	5.9	5.9	6.1	6.1	
86 <i>L. silvarum</i> <sup>(*)ab)</sup>	5.3	5.3	5.2	5.2	5.0	4.9	5.2	5.8	5.8	5.2	5.2	5.0	5.2	5.2	5.0	5.0	5.0	5.2	5.2	5.2	5.0	5.6	5.3	5.5	5.5	5.2	5.6	5.6	5.8	5.8	
87 <i>L. caesar</i> <sup>(*)ac)</sup>	0.6	0.6	0.5	0.5	0.6	0.2	0.5	1.1	1.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.8	0.8	0.9	0.9	1.1	1.1	
88 <i>L. caesar</i> <sup>(*)ad)</sup>	0.6	0.6	0.5	0.5	0.6	0.2	0.5	1.1	1.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.8	0.8	0.9	0.9	1.1	1.1	
89 <i>L. caesar</i> <sup>(*)ae)</sup>	0.5	0.5	0.3	0.3	0.5	0.3	0.3	0.9	1.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.8	0.6	0.6	0.6	0.6	0.8	1.1	0.9	0.9	
90 <i>L. caesar</i> <sup>(*)af)</sup>	0.6	0.6	0.8	0.8	0.6	1.1	0.5	0.2	1.7	1.1	1.1	1.1	1.1	0.8	0.9	0.6	0.9	0.5	0.8	0.8	0.6	0.3	0.8	0.2	0.2	0.8	0.3	1.5	0.2	0.2	

<sup>a)</sup>Haplotype HI; <sup>b)</sup>Haplotype HII; <sup>c)</sup>Haplotype HIII; <sup>d)</sup>Haplotype HIV; <sup>e)</sup>Haplotype HV; <sup>f)</sup>Haplotype HVI; <sup>g)</sup>Haplotype HVII; <sup>h)</sup>Haplotype HVIII; <sup>i)</sup>Haplotype HIX; <sup>j)</sup>Haplotype HX; <sup>k)</sup>Haplotype HXI; <sup>l)</sup>Haplotype HXII; <sup>m)</sup>Haplotype HXIII; <sup>n)</sup>Haplotype HXIV; <sup>o)</sup>Haplotype HXV; <sup>p)</sup>Haplotype HXVI; <sup>q)</sup>Haplotype HXVII; <sup>r)</sup>Haplotype HXVIII; <sup>s)</sup>Haplotype HXIX; <sup>t)</sup>Haplotype HXX; <sup>u)</sup>Haplotype HXXI; <sup>v)</sup>Haplotype HXXII; <sup>w)</sup>Haplotype HXXIII; <sup>x)</sup>Haplotype HXXIV; <sup>y)</sup>Haplotype HXXV; <sup>z)</sup>Haplotype HXXVI; <sup>aa)</sup>Haplotype HXXVII; <sup>ab)</sup>Haplotype HXXVIII; <sup>ac)</sup>Haplotype HXXIX; <sup>ad)</sup>Haplotype HXXX; <sup>ae)</sup>Haplotype HXXXI; <sup>af)</sup>Haplotype HXXXII; <sup>ag)</sup>Haplotype HXXXIII; <sup>ah)</sup>Haplotype HXXXIV.

Material suplementario / Supplementary material

Table S51. (Continued)

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
91 <i>L. caesar</i> <sup>d</sup>	—	0.0	0.5	0.5	0.3	0.8	0.2	0.8	1.4	0.8	0.8	0.8	0.8	0.5	0.6	0.3	0.6	0.5	0.2	0.5	0.6	0.6	0.2	0.5	0.8	0.5	0.6	1.2	0.8	0.8
92 <i>L. caesar</i> <sup>(k,d)</sup>	0	—	0.5	0.5	0.3	0.8	0.2	0.8	1.4	0.8	0.8	0.8	0.8	0.5	0.6	0.3	0.6	0.5	0.2	0.5	0.6	0.6	0.2	0.5	0.8	0.5	0.6	1.2	0.8	0.8
93 <i>L. caesar</i> <sup>e</sup>	3	3	—	0.0	0.5	0.6	0.3	0.9	1.2	0.6	0.6	0.6	0.6	0.3	0.5	0.2	0.5	0.3	0.3	0.6	0.5	0.8	0.6	0.6	0.6	0.6	0.8	1.1	0.9	0.9
94 <i>L. caesar</i> <sup>(k,e)</sup>	3	3	0	—	0.5	0.6	0.3	0.9	1.2	0.6	0.6	0.6	0.6	0.3	0.5	0.2	0.5	0.3	0.3	0.6	0.5	0.8	0.6	0.6	0.6	0.6	0.8	1.1	0.9	0.9
95 <i>L. caesar</i> <sup>(k,f)</sup>	2	2	3	3	—	0.8	0.2	0.8	1.4	0.8	0.8	0.8	0.8	0.5	0.6	0.3	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.8	0.2	0.6	1.2	0.8	0.8
96 <i>L. caesar</i> <sup>(k,g)</sup>	5	5	4	4	5	—	0.6	1.2	1.2	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.8	0.9	0.9	1.1	1.1	1.2	1.2	
97 <i>L. caesar</i> <sup>(k,h)</sup>	1	1	2	2	1	4	—	0.6	1.2	0.6	0.6	0.6	0.6	0.3	0.5	0.2	0.5	0.3	0.3	0.3	0.5	0.5	0.3	0.3	0.6	0.3	0.5	1.1	0.6	0.6
98 <i>L. caesar</i> <sup>(k,i)</sup>	5	5	6	6	5	8	4	—	1.8	1.2	1.2	1.2	1.2	0.9	1.1	0.8	1.1	0.6	0.9	0.9	0.8	0.5	0.9	0.3	0.3	0.9	0.5	1.7	0.3	0.3
99 <i>L. caesar</i> <sup>(l)</sup>	9	9	8	8	9	8	8	12	—	1.2	1.2	1.2	1.2	0.9	1.4	1.1	1.4	1.2	1.2	1.5	1.4	1.4	1.5	1.5	1.5	1.5	1.7	0.2	1.8	1.8
100 <i>L. caesar</i> <sup>(k)</sup>	5	5	4	4	5	2	4	8	8	—	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.9	0.9	0.9	0.9	1.1	1.1	1.2	1.2
101 <i>L. caesar</i> <sup>(i)</sup>	5	5	4	4	5	2	4	8	8	2	—	0.3	0.3	0.3	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.9	0.9	0.9	0.9	1.1	1.1	1.2	1.2
102 <i>L. caesar</i> <sup>(m)</sup>	5	5	4	4	5	2	4	8	8	2	2	—	0.3	0.3	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.9	0.9	0.9	0.9	1.1	1.1	1.2	1.2
103 <i>L. caesar</i> <sup>(n)</sup>	5	5	4	4	5	2	4	8	8	2	2	—	0.3	0.2	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.9	0.9	0.9	0.9	1.1	1.1	1.2	1.2
104 <i>L. caesar</i> <sup>(o)</sup>	3	3	2	2	3	2	2	6	6	2	2	2	—	0.5	0.2	0.5	0.3	0.3	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.9	0.9
105 <i>L. caesar</i> <sup>(p)</sup>	4	4	3	3	4	3	3	7	9	3	3	3	1	3	—	0.3	0.3	0.5	0.5	0.5	0.6	0.9	0.8	0.8	0.8	0.8	0.9	1.2	1.1	1.1
106 <i>L. caesar</i> <sup>(q)</sup>	2	2	1	1	2	3	1	5	7	3	3	3	3	1	2	—	0.3	0.2	0.2	0.5	0.3	0.6	0.5	0.5	0.5	0.6	0.9	0.8	0.8	
107 <i>L. caesar</i> <sup>(t)</sup>	4	4	3	3	4	3	3	7	9	3	3	3	3	3	2	2	—	0.5	0.5	0.5	0.6	0.9	0.8	0.8	0.8	0.8	0.9	1.2	1.1	1.1
108 <i>L. caesar</i> <sup>(s)</sup>	3	3	2	2	3	4	2	4	8	4	4	4	4	2	3	1	3	—	0.3	0.6	0.2	0.8	0.6	0.3	0.3	0.6	0.5	1.1	0.6	0.6
109 <i>L. caesar</i> <sup>(t)</sup>	1	1	2	2	3	4	2	6	8	4	4	4	4	2	3	1	3	2	—	0.6	0.5	0.8	0.3	0.6	0.6	0.8	1.1	0.9	0.9	
110 <i>L. caesar</i> <sup>(u)</sup>	3	3	4	4	3	4	2	6	10	4	4	4	4	4	3	3	3	4	4	—	0.8	0.6	0.6	0.6	0.6	0.8	1.4	0.9	0.9	
111 <i>L. caesar</i> <sup>(v)</sup>	4	4	3	3	4	5	3	5	9	5	5	5	5	3	4	2	4	1	3	5	—	0.9	0.8	0.5	0.5	0.8	1.2	0.8	0.8	
112 <i>L. caesar</i> <sup>(w)</sup>	4	4	5	5	4	5	3	3	9	5	5	5	5	3	6	4	6	5	5	5	6	—	0.8	0.5	0.5	0.8	0.6	1.2	0.5	0.5
113 <i>L. caesar</i> <sup>(x)</sup>	1	1	4	4	3	5	2	6	10	6	6	6	6	4	5	3	5	4	2	4	5	5	—	0.6	0.9	0.6	0.8	1.4	0.9	0.9
114 <i>L. caesar</i> <sup>(y)</sup>	3	3	4	4	3	6	2	2	10	6	6	6	6	4	5	3	5	2	4	4	3	3	4	—	0.3	0.6	0.2	1.4	0.3	0.3
115 <i>L. caesar</i> <sup>(z)</sup>	5	5	4	4	5	6	4	2	10	6	6	6	6	4	5	3	5	2	4	6	3	3	6	2	—	0.9	0.5	1.4	0.3	0.3
116 <i>L. caesar</i> <sup>(aa)</sup>	3	3	4	4	1	6	2	6	10	6	6	6	6	4	5	3	5	4	4	4	5	5	4	4	6	—	0.8	1.4	0.9	0.9
117 <i>L. caesar</i> <sup>(ab)</sup>	4	4	5	5	4	7	3	3	11	7	7	7	7	5	6	4	6	3	5	5	4	4	5	1	3	5	—	1.5	0.5	0.5
118 <i>L. caesar</i> <sup>(ac)</sup>	8	8	7	7	8	7	7	11	1	7	7	7	7	5	8	6	8	7	7	9	8	8	9	9	9	10	—	1.7	1.7	
119 <i>L. caesar</i> <sup>(ad)</sup>	5	5	6	6	5	8	4	2	12	8	8	8	8	6	7	5	7	4	6	6	5	3	6	2	2	6	3	11	—	0.3
120 <i>L. caesar</i> <sup>(ae)</sup>	5	5	6	6	5	8	4	2	12	8	8	8	8	6	7	5	7	4	6	6	5	3	6	2	2	6	3	11	2	—

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51.** (Continued)

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121 <i>L. caesar</i> <sup>af</sup>	5	5	6	6	5	8	4	2	12	8	8	8	8	6	7	5	7	4	6	6	5	3	6	2	2	6	3	11	2	2
122 <i>L. caesar</i> <sup>ag</sup>	6	6	7	7	6	9	5	1	11	9	9	9	9	7	8	6	8	5	7	7	6	4	7	3	3	7	4	10	3	3
123 <i>L. caesar</i> <sup>ah</sup>	6	6	7	7	6	9	5	3	13	9	9	9	7	7	6	6	8	5	7	7	6	4	7	3	3	5	4	12	3	3
124 <i>L. illustris</i> <sup>a</sup>	9	9	8	8	9	8	8	12	0	8	8	8	8	6	9	7	9	8	8	10	9	9	10	10	10	10	11	1	12	12
125 <i>L. illustris</i> <sup>b</sup>	9	9	8	8	9	8	8	12	0	8	8	8	8	6	9	7	9	8	8	10	9	9	10	10	10	10	11	1	12	12
126 <i>L. illustris</i> <sup>c</sup>	9	9	8	8	9	8	8	12	4	8	8	8	8	6	9	7	9	8	8	10	9	9	10	10	10	10	11	3	12	10
127 <i>L. illustris</i> <sup>d</sup>	7	7	6	6	7	8	6	10	2	8	8	8	8	6	7	5	7	6	6	8	7	9	8	8	8	8	9	1	10	10
128 <i>L. illustris</i> <sup>e</sup>	8	8	7	7	8	7	7	11	1	7	7	7	7	5	8	6	8	7	7	9	8	8	9	9	9	9	10	0	11	11
129 <i>L. illustris</i> <sup>f</sup>	8	8	7	7	8	7	7	11	1	7	7	7	7	5	8	6	8	7	7	9	8	8	9	9	9	9	10	0	11	11
130 <i>L. illustris</i> <sup>g</sup>	8	8	7	7	8	7	7	11	1	7	7	7	7	5	8	6	8	7	7	9	8	8	9	9	9	9	10	2	11	11
131 <i>L. illustris</i> <sup>h</sup>	8	8	7	7	8	9	7	11	1	9	9	9	9	7	8	6	8	7	7	9	8	8	10	9	9	9	10	2	11	11
132 <i>L. illustris</i> <sup>i</sup>	6	6	5	5	6	7	5	9	3	7	7	7	7	5	6	4	6	5	5	7	6	8	7	7	7	7	8	2	9	9
133 <i>L. illustris</i> <sup>j</sup>	10	10	9	9	10	9	9	13	1	9	9	9	9	7	10	8	10	9	9	11	10	10	11	11	11	11	12	2	13	11
134 <i>L. illustris</i> <sup>k</sup>	7	7	6	6	7	6	6	10	2	6	6	6	6	4	7	5	7	6	6	8	7	7	8	8	8	8	9	1	10	10
135 <i>L. illustris</i> <sup>l</sup>	7	7	6	6	7	6	6	10	2	6	6	6	6	4	7	5	7	6	6	8	7	7	8	8	8	8	9	1	10	10
136 <i>L. illustris</i> <sup>m</sup>	10	10	9	9	10	9	9	13	3	9	9	9	9	7	10	8	10	9	9	11	10	10	11	11	11	11	12	2	13	13
137 <i>L. illustris</i> <sup>n</sup>	11	11	10	10	11	12	10	14	4	12	12	12	10	10	9	9	11	10	10	12	11	13	12	12	12	12	11	5	14	14
138 <i>L. illustris</i> <sup>o</sup>	9	9	8	8	9	8	8	12	4	10	10	10	10	8	9	7	9	8	8	10	9	11	9	10	10	10	11	5	12	12
139 <i>L. illustris</i> <sup>p</sup>	10	10	9	9	10	9	9	13	5	9	9	9	9	7	10	8	10	9	9	11	10	10	11	11	11	11	12	4	13	11
140 <i>L. illustris</i> <sup>q</sup>	5	5	6	6	5	8	4	2	12	8	8	8	8	6	7	5	7	4	6	6	5	3	6	2	2	6	3	11	2	2
141 <i>L. bufonivora</i> <sup>r</sup>	36	36	37	37	34	37	35	35	41	37	37	36	37	37	36	36	36	35	37	35	34	38	37	35	37	35	36	40	37	35
142 <i>L. bufonivora</i> <sup>s</sup>	36	36	37	37	34	37	35	35	41	37	37	36	37	37	36	36	36	35	37	35	34	38	37	35	37	35	36	40	37	35

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

Table S51. (Continued)

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142
1 <i>Ch. albiceps</i> <sup>a)</sup>	9.7	9.6	9.6	9.1	9.1	9.1	9.1	9.0	9.0	9.0	9.3	9.3	9.3	8.8	8.8	9.1	9.4	9.4	9.0	9.4	12.0	12.0
2 <i>Ch. albiceps</i> <sup>b)</sup>	9.7	9.6	9.6	9.1	9.1	9.1	9.1	9.0	9.0	9.0	9.3	9.3	9.3	8.8	8.8	9.1	9.4	9.4	9.0	9.4	12.0	12.0
3 <i>Ch. albiceps</i> <sup>b)</sup>	9.9	9.7	9.7	9.3	9.3	9.3	9.3	9.1	9.1	9.1	9.4	9.4	9.4	9.0	9.0	9.3	9.6	9.6	9.1	9.6	12.2	12.2
4 <i>Ch. albiceps</i> <sup>c)</sup>	9.7	9.6	9.6	9.1	9.1	9.1	9.1	9.0	9.0	9.0	9.3	9.3	9.3	8.8	8.8	9.1	9.4	9.4	9.0	9.4	11.9	11.9
5 <i>C. vicina</i> <sup>a)</sup>	6.7	6.5	6.8	6.4	6.4	6.7	6.1	6.2	6.2	6.2	6.2	6.2	6.5	6.4	6.1	6.4	6.4	6.4	6.7	6.7	7.1	7.1
6 <i>C. vicina</i> <sup>a)</sup>	6.7	6.5	6.8	6.4	6.4	6.7	6.1	6.2	6.2	6.2	6.2	6.2	6.5	6.4	6.1	6.4	6.4	6.4	6.7	6.7	7.1	7.1
7 <i>C. vicina</i> <sup>b)</sup>	6.8	6.7	7.0	6.2	6.2	6.5	6.2	6.1	6.1	6.1	6.4	6.4	6.4	6.2	5.9	6.2	6.5	6.5	6.5	6.8	7.3	7.3
8 <i>C. vicina</i> <sup>b)</sup>	6.8	6.7	7.0	6.2	6.2	6.5	6.2	6.1	6.1	6.1	6.4	6.4	6.4	6.2	5.9	6.2	6.5	6.5	6.5	6.8	7.3	7.3
9 <i>C. vicina</i> <sup>d)</sup>	6.8	6.7	7.0	6.5	6.5	6.8	6.2	6.4	6.4	6.4	6.4	6.4	6.7	6.5	6.2	6.5	6.5	6.5	6.8	6.8	7.3	7.3
10 <i>C. vicina</i> <sup>e)</sup>	6.8	6.7	7.0	6.5	6.5	6.8	6.2	6.4	6.4	6.4	6.4	6.4	6.7	6.5	6.2	6.5	6.5	6.5	6.8	6.8	7.3	7.3
11 <i>C. vicina</i> <sup>d)</sup>	6.8	6.7	7.0	6.5	6.5	6.5	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.2	6.5	6.5	6.5	6.5	6.8	7.0	7.0
12 <i>C. vicina</i> <sup>d)</sup>	6.8	6.7	7.0	6.5	6.5	6.5	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.2	6.5	6.5	6.5	6.5	6.8	7.0	7.0
13 <i>C. vicina</i> <sup>e)</sup>	6.8	6.7	7.0	6.5	6.5	6.8	6.2	6.4	6.4	6.4	6.4	6.4	6.7	6.5	6.2	6.5	6.5	6.2	6.8	6.8	7.3	7.3
14 <i>C. vicina</i> <sup>f)</sup>	6.8	6.7	7.0	6.8	6.8	6.5	6.5	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.5	6.8	6.8	6.8	6.5	6.8	7.3	7.3
15 <i>C. vicina</i> <sup>g)</sup>	7.0	6.8	7.1	6.4	6.4	6.7	6.4	6.2	6.2	6.2	6.5	6.5	6.5	6.4	6.1	6.4	6.7	6.7	6.7	7.0	7.4	7.4
16 <i>C. vicina</i> <sup>g)</sup>	7.0	6.8	7.1	6.4	6.4	6.7	6.4	6.2	6.2	6.2	6.5	6.5	6.5	6.4	6.1	6.4	6.7	6.7	6.7	7.0	7.4	7.4
17 <i>C. vicina</i> <sup>h)</sup>	6.8	6.7	7.0	6.5	6.5	6.8	6.2	6.4	6.4	6.4	6.4	6.4	6.7	6.5	6.2	6.5	6.5	6.5	6.8	6.8	7.3	7.3
18 <i>C. vicina</i> <sup>i)</sup>	6.8	6.7	7.0	6.5	6.5	6.8	6.2	6.4	6.4	6.4	6.4	6.4	6.7	6.5	6.2	6.5	6.5	6.5	6.8	6.8	7.3	7.3
19 <i>C. vicina</i>	6.5	6.4	6.7	6.2	6.2	6.5	5.9	6.1	6.1	6.1	6.1	6.1	6.4	6.2	5.9	6.2	6.2	6.2	6.5	6.5	7.3	7.3
20 <i>C. vicina</i> <sup>j)</sup>	6.5	6.4	6.7	6.2	6.2	6.5	5.9	6.1	6.1	6.1	6.1	6.1	6.4	6.2	5.9	6.2	6.2	6.2	6.5	6.5	7.3	7.3
21 <i>C. vicina</i> <sup>k)</sup>	6.8	6.7	7.0	6.5	6.5	6.8	6.2	6.4	6.4	6.4	6.4	6.4	6.7	6.5	6.2	6.5	6.5	6.5	6.8	6.8	7.3	7.3
22 <i>C. vicina</i>	6.5	6.7	6.7	6.5	6.5	6.8	6.2	6.4	6.4	6.4	6.4	6.1	6.7	6.5	6.2	6.5	6.5	6.5	6.8	6.5	7.0	7.0
23 <i>C. vicina</i> <sup>m)</sup>	6.8	6.7	7.0	6.5	6.5	6.8	6.2	6.4	6.4	6.4	6.4	6.4	6.7	6.5	6.2	6.5	6.5	6.5	6.8	6.8	7.3	7.3
24 <i>C. vicina</i> <sup>n)</sup>	6.8	6.7	7.0	6.5	6.5	6.8	6.2	6.4	6.4	6.4	6.4	6.4	6.7	6.5	6.2	6.5	6.2	6.5	6.8	6.8	7.3	7.3
25 <i>C. vicina</i> <sup>o)</sup>	6.7	6.5	6.8	6.1	6.1	6.4	6.1	5.9	5.9	5.9	6.2	6.2	6.2	6.1	5.8	6.1	6.4	6.4	6.4	6.7	7.1	7.1
26 <i>C. vicina</i> <sup>o)</sup>	6.7	6.5	6.8	6.1	6.1	6.4	6.1	5.9	5.9	5.9	6.2	6.2	6.2	6.1	5.8	6.1	6.4	6.4	6.4	6.7	7.1	7.1
27 <i>C. vicina</i> <sup>p)</sup>	6.7	6.5	6.8	6.4	6.4	6.7	6.1	6.2	6.2	6.2	6.2	6.2	6.5	6.4	6.1	6.4	6.4	6.4	6.7	6.7	7.1	7.1
28 <i>C. vicina</i> <sup>q)</sup>	7.0	6.8	7.1	6.4	6.4	6.7	6.4	6.2	6.2	6.2	6.5	6.5	6.5	6.4	6.1	6.4	6.7	6.4	6.7	7.0	7.4	7.4
29 <i>C. vicina</i> <sup>r)</sup>	7.0	6.8	7.1	6.4	6.4	6.4	6.4	6.2	6.2	6.2	6.5	6.5	6.2	6.4	6.1	6.4	6.7	6.7	6.4	7.0	7.1	7.1
30 <i>C. vicina</i> <sup>s)</sup>	6.7	6.5	6.8	6.4	6.4	6.7	6.1	6.2	6.2	6.2	6.2	6.2	6.5	6.4	6.1	6.4	6.4	6.4	6.7	6.7	7.1	7.1

<sup>a)</sup> Haplotype HI; <sup>b)</sup> Haplotype HII; <sup>c)</sup> Haplotype HIII; <sup>d)</sup> Haplotype HIV; <sup>e)</sup> Haplotype HV; <sup>f)</sup> Haplotype HVI; <sup>g)</sup> Haplotype HVII; <sup>h)</sup> Haplotype HVIII; <sup>i)</sup> Haplotype HIX; <sup>j)</sup> Haplotype HX; <sup>k)</sup> Haplotype HXI; <sup>l)</sup> Haplotype HXII; <sup>m)</sup> Haplotype HXIII; <sup>n)</sup> Haplotype HXIV; <sup>o)</sup> Haplotype HXV; <sup>p)</sup> Haplotype HXVI; <sup>q)</sup> Haplotype HXVII; <sup>r)</sup> Haplotype HXVIII; <sup>s)</sup> Haplotype HXIX; <sup>t)</sup> Haplotype HXX; <sup>u)</sup> Haplotype HXXI; <sup>v)</sup> Haplotype HXXII; <sup>w)</sup> Haplotype HXXIII; <sup>x)</sup> Haplotype HXXIV; <sup>y)</sup> Haplotype HXXV; <sup>z)</sup> Haplotype HXXVI; <sup>aa)</sup> Haplotype HXXVII; <sup>ab)</sup> Haplotype HXXVIII; <sup>ac)</sup> Haplotype HXXIX; <sup>ad)</sup> Haplotype HXXX; <sup>ae)</sup> Haplotype HXXXI; <sup>af)</sup> Haplotype HXXXII; <sup>ag)</sup> Haplotype HXXXIII; <sup>ah)</sup> Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51. (Continued)**

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	
31	<i>C. vicina</i> <sup>t</sup>	7.0	6.8	7.1	6.4	6.4	6.7	6.4	6.2	6.2	6.5	6.5	6.5	6.4	6.1	6.4	6.7	6.7	6.7	7.0	7.4	7.4	
32	<i>C. vicina</i> <sup>tu</sup>	6.7	6.5	6.8	6.4	6.4	6.7	6.1	6.2	6.2	6.2	6.2	6.5	6.4	6.1	6.4	6.4	6.4	6.7	6.7	7.3	7.3	
33	<i>C. vicina</i> <sup>tv</sup>	6.7	6.5	6.8	6.2	6.2	6.5	5.9	6.1	6.1	6.1	6.1	6.4	6.2	6.1	6.2	6.2	6.2	6.5	6.7	7.3	7.3	
34	<i>C. vicina</i> <sup>tw</sup>	7.0	6.8	7.1	6.4	6.4	6.7	6.4	6.2	6.2	6.2	6.5	6.5	6.5	6.4	6.1	6.4	6.7	6.7	6.7	7.0	7.4	7.4
35	<i>C. vicina</i> <sup>tx</sup>	7.0	6.8	7.1	6.4	6.4	6.7	6.4	6.2	6.2	6.2	6.5	6.5	6.5	6.4	6.1	6.4	6.7	6.7	6.7	7.0	7.4	7.4
36	<i>C. vicina</i> <sup>ty</sup>	7.0	6.8	7.1	6.7	6.7	6.7	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.7	6.4	6.7	6.7	6.7	6.7	7.0	7.1	7.1
37	<i>C. vicina</i> <sup>tz</sup>	7.0	6.8	7.1	6.4	6.4	6.7	6.4	6.2	6.2	6.2	6.5	6.5	6.5	6.4	6.1	6.4	6.7	6.7	6.7	7.0	7.4	7.4
38	<i>C. vicina</i> <sup>3a</sup>	6.7	6.5	6.8	6.1	6.1	6.4	6.1	5.9	5.9	5.9	6.2	6.2	6.2	6.1	5.8	6.1	6.4	6.4	6.4	6.7	7.4	7.4
39	<i>C. vicina</i> <sup>ab</sup>	6.7	6.5	6.8	6.4	6.4	6.7	6.1	6.2	6.2	6.2	6.2	6.2	6.5	6.4	6.1	6.4	6.4	6.4	6.7	6.7	7.4	7.4
40	<i>C. vicina</i> <sup>ac</sup>	7.0	6.8	7.1	6.7	6.7	6.7	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.7	6.4	6.7	6.7	6.7	6.7	7.0	7.1	7.1
41	<i>C. vicina</i> <sup>ad</sup>	7.0	6.8	7.1	6.4	6.4	6.7	6.4	6.2	6.2	6.2	6.5	6.5	6.5	6.4	6.1	6.4	6.7	6.7	6.7	7.0	7.4	7.4
42	<i>C. vicina</i> <sup>ae</sup>	7.0	6.8	7.1	6.4	6.4	6.7	6.4	6.2	6.2	6.2	6.5	6.5	6.5	6.4	6.1	6.4	6.7	6.7	6.7	7.0	7.1	7.1
43	<i>C. vicina</i> <sup>af</sup>	6.8	6.7	7.0	6.5	6.5	6.8	6.2	6.4	6.4	6.4	6.4	6.4	6.7	6.5	6.2	6.5	6.5	6.5	6.8	6.8	7.6	7.6
44	<i>C. vicina</i> <sup>ag</sup>	7.1	7.0	7.3	6.8	6.8	7.1	6.5	6.7	6.7	6.7	6.7	7.0	6.8	6.5	6.8	6.8	6.8	6.8	7.1	7.1	7.6	7.6
45	<i>C. vicina</i> <sup>ah</sup>	6.7	6.5	6.8	6.4	6.4	6.4	6.4	6.2	6.2	6.2	6.5	6.5	6.5	6.1	6.1	6.4	6.7	6.7	6.4	6.7	7.6	7.6
46	<i>C. vicina</i> <sup>ai</sup>	7.0	6.8	7.1	6.4	6.4	6.7	6.4	6.2	6.2	6.2	6.5	6.5	6.5	6.4	6.1	6.4	6.7	6.7	6.7	7.0	7.6	7.6
47	<i>C. vomitoria</i> <sup>a)</sup>	6.4	6.2	6.5	6.2	6.2	5.9	5.9	6.1	6.1	6.1	6.1	6.1	6.1	5.9	6.1	6.4	6.2	5.9	5.9	6.4	7.9	7.9
48	<i>C. vomitoria</i> <sup>*a)</sup>	6.4	6.2	6.5	6.2	6.2	5.9	5.9	6.1	6.1	6.1	6.1	6.1	5.9	6.1	6.4	6.2	5.9	5.9	6.4	7.9	7.9	
49	<i>C. vomitoria</i> <sup>b)</sup>	6.1	6.2	6.2	6.2	6.2	5.9	6.1	6.1	6.1	6.1	6.1	5.8	6.4	5.9	6.1	6.4	6.2	5.9	6.2	6.1	8.1	8.1
50	<i>C. vomitoria</i> <sup>*b)</sup>	6.1	6.2	6.2	6.2	6.2	5.9	6.1	6.1	6.1	6.1	6.1	5.8	6.4	5.9	6.1	6.4	6.2	5.9	6.2	6.1	8.1	8.1
51	<i>C. vomitoria</i> <sup>c)</sup>	6.1	6.2	6.2	6.2	6.2	5.9	6.1	6.1	6.1	6.1	5.8	6.4	5.9	6.1	6.4	6.2	5.9	6.2	6.1	7.9	7.9	
52	<i>C. vomitoria</i> <sup>*d)</sup>	6.5	6.4	6.7	6.4	6.4	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.2	6.5	6.4	6.1	6.1	6.5	8.1	8.1
53	<i>C. vomitoria</i> <sup>e)</sup>	6.1	5.9	5.9	5.2	5.2	5.5	4.9	5.0	5.0	5.3	5.0	5.0	5.3	5.2	4.9	5.3	4.9	5.5	5.5	6.1	7.9	7.9
54	<i>L. sericata</i> <sup>a)</sup>	5.2	5.3	5.3	4.9	4.9	4.9	4.6	4.7	4.7	5.0	4.7	4.4	4.7	4.9	4.6	5.0	4.9	5.2	5.0	5.2	3.5	3.5
55	<i>L. sericata</i> <sup>*a)</sup>	5.2	5.3	5.3	4.9	4.9	4.9	4.6	4.7	4.7	5.0	4.7	4.4	4.7	4.9	4.6	5.0	4.9	5.2	5.0	5.2	3.5	3.5
56	<i>L. sericata</i> <sup>b)</sup>	5.3	5.5	5.5	4.7	4.7	4.7	4.7	4.6	4.6	4.9	4.9	4.6	4.6	4.7	4.4	4.9	5.0	5.3	4.9	5.3	3.6	3.6
57	<i>L. sericata</i> <sup>*b)</sup>	5.3	5.5	5.5	4.7	4.7	4.7	4.7	4.6	4.6	4.9	4.9	4.6	4.6	4.7	4.4	4.9	5.0	5.3	4.9	5.3	3.6	3.6
58	<i>L. sericata</i> <sup>f)</sup>	5.3	5.5	5.5	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	5.0	5.0	5.2	5.3	3.6	3.6
59	<i>L. sericata</i> <sup>*c)</sup>	5.3	5.5	5.5	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	5.0	5.0	5.2	5.3	3.6	3.6
60	<i>L. sericata</i> <sup>d)</sup>	5.3	5.5	5.2	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	4.7	5.3	5.2	5.3	3.6	3.6

<sup>a)</sup> Haplotype HI; <sup>b)</sup> Haplotype HII; <sup>c)</sup> Haplotype HIII; <sup>d)</sup> Haplotype HIV; <sup>e)</sup> Haplotype HV; <sup>f)</sup> Haplotype HVI; <sup>g)</sup> Haplotype HVII; <sup>h)</sup> Haplotype HVIII; <sup>i)</sup> Haplotype HIX; <sup>j)</sup> Haplotype HX; <sup>k)</sup> Haplotype HXI; <sup>l)</sup> Haplotype HXII; <sup>m)</sup> Haplotype HXIII; <sup>n)</sup> Haplotype HXIV; <sup>o)</sup> Haplotype HXV; <sup>p)</sup> Haplotype HXVI; <sup>q)</sup> Haplotype HXVII; <sup>r)</sup> Haplotype HXVIII; <sup>s)</sup> Haplotype HXIX; <sup>t)</sup> Haplotype HXX; <sup>u)</sup> Haplotype HXXI; <sup>v)</sup> Haplotype HXXII; <sup>w)</sup> Haplotype HXXIII; <sup>x)</sup> Haplotype HXXIV; <sup>y)</sup> Haplotype HXXV; <sup>z)</sup> Haplotype HXXVI; <sup>aa)</sup> Haplotype HXXVII; <sup>ab)</sup> Haplotype HXXVIII; <sup>ac)</sup> Haplotype HXXIX; <sup>ad)</sup> Haplotype HXXX; <sup>ae)</sup> Haplotype HXXXI; <sup>af)</sup> Haplotype HXXXII; <sup>ag)</sup> Haplotype HXXXIII; <sup>ah)</sup> Haplotype HXXXIV.

Table S51. (Continued)

		121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142
61	<i>L. sericata</i> <sup>(*)d</sup>	5.3	5.5	5.2	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	4.7	5.3	5.2	5.3	3.6	3.6
62	<i>L. sericata</i> <sup>e</sup>	5.3	5.5	5.5	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	5.0	5.3	5.2	5.3	3.6	3.6
63	<i>L. sericata</i> <sup>(*)e</sup>	5.3	5.5	5.5	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	5.0	5.3	5.2	5.3	3.6	3.6
64	<i>L. sericata</i> <sup>(f)</sup>	5.3	5.5	5.5	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	5.0	5.3	5.2	5.3	3.6	3.6
65	<i>L. sericata</i> <sup>(*)g</sup>	5.3	5.5	5.5	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	5.0	5.3	5.2	5.3	3.3	3.3
66	<i>L. sericata</i> <sup>h</sup>	5.3	5.5	5.5	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	5.0	5.3	5.2	5.3	3.6	3.6
67	<i>L. sericata</i> <sup>i</sup>	5.3	5.5	5.5	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	5.0	5.3	5.2	5.3	3.6	3.6
68	<i>L. sericata</i> <sup>j</sup>	5.3	5.5	5.5	4.7	4.7	4.7	4.4	4.6	4.6	4.9	4.6	4.3	4.6	4.7	4.4	4.9	4.7	5.0	4.9	5.3	3.6	3.6
69	<i>L. sericata</i> <sup>k</sup>	5.3	5.5	5.5	5.0	5.0	5.0	4.7	4.9	4.9	5.2	4.9	4.6	4.9	5.0	4.7	5.2	5.0	5.3	5.2	5.3	3.6	3.6
70	<i>L. sericata</i> <sup>l</sup>	5.0	5.2	5.2	4.7	4.7	5.0	4.4	4.6	4.6	4.9	4.6	4.3	4.9	4.7	4.4	4.9	4.7	5.0	5.2	5.0	3.6	3.6
71	<i>L. sericata</i> <sup>m</sup>	5.5	5.6	5.3	5.2	5.2	5.2	4.9	5.0	5.0	5.3	5.0	4.7	5.0	5.2	4.9	5.3	4.9	5.2	5.3	5.5	3.8	3.8
72	<i>L. sericata</i> <sup>n</sup>	5.5	5.6	5.6	5.2	5.2	5.2	4.9	5.0	5.0	5.3	5.0	4.7	5.0	5.2	4.9	5.3	5.2	5.5	5.3	5.5	3.5	3.5
73	<i>L. sericata</i> <sup>o</sup>	5.5	5.6	5.6	5.2	5.2	5.2	4.9	5.0	5.0	5.3	5.0	4.7	5.0	5.2	4.9	5.3	5.2	5.5	5.3	5.5	3.8	3.8
74	<i>L. sericata</i> <sup>p</sup>	5.5	5.6	5.3	5.2	5.2	5.2	4.9	5.0	5.0	5.3	5.0	4.7	5.0	5.2	4.9	5.3	4.9	5.5	5.3	5.5	3.8	3.8
75	<i>L. richardsi</i> <sup>(*)q</sup>	6.8	7.0	7.0	6.5	6.5	6.5	6.2	6.4	6.4	6.4	6.4	6.1	6.4	6.5	6.5	6.7	6.5	6.2	6.7	6.8	4.4	4.4
76	<i>L. richardsi</i> <sup>(*)r</sup>	7.0	7.1	7.1	6.7	6.7	6.7	6.4	6.5	6.5	6.5	6.5	6.2	6.5	6.7	6.7	6.5	6.7	6.4	6.8	7.0	4.6	4.6
77	<i>L. ampullacea</i> <sup>(*)s</sup>	3.6	3.5	3.8	4.6	4.6	4.6	4.3	4.4	4.4	4.4	4.4	4.1	4.7	4.3	4.3	4.7	4.6	4.6	4.7	3.3	5.9	5.9
78	<i>L. ampullacea</i> <sup>(*)t</sup>	3.6	3.5	3.8	4.6	4.6	4.6	4.3	4.4	4.4	4.4	4.4	4.1	4.7	4.3	4.3	4.7	4.6	4.6	4.7	3.3	5.9	5.9
79	<i>L. ampullacea</i> <sup>(*)u</sup>	3.8	3.6	4.0	4.7	4.7	4.7	4.4	4.6	4.6	4.6	4.6	4.3	4.9	4.4	4.4	4.9	4.7	4.7	4.9	3.5	6.1	6.1
80	<i>L. ampullacea</i> <sup>(*)v</sup>	3.8	3.6	4.0	4.7	4.7	4.7	4.4	4.6	4.6	4.6	4.6	4.3	4.9	4.4	4.4	4.9	4.7	4.7	4.9	3.5	6.1	6.1
81	<i>L. ampullacea</i> <sup>(*)w</sup>	3.8	3.6	4.0	4.7	4.7	4.7	4.4	4.6	4.6	4.6	4.6	4.3	4.9	4.4	4.4	4.9	4.7	4.7	4.9	3.5	5.9	5.9
82	<i>L. ampullacea</i> <sup>(*)x</sup>	3.6	3.5	3.8	4.6	4.6	4.6	4.3	4.4	4.4	4.4	4.4	4.1	4.7	4.3	4.3	4.7	4.6	4.6	4.7	3.3	6.1	6.1
83	<i>L. ampullacea</i> <sup>(*)y</sup>	4.0	3.8	4.1	4.6	4.6	4.6	4.3	4.4	4.4	4.4	4.4	4.1	4.7	4.3	4.6	4.7	4.6	4.6	4.7	3.6	6.2	6.2
84	<i>L. silvarum</i> <sup>(*)z</sup>	5.9	6.1	6.1	5.9	5.9	6.2	5.6	5.8	5.8	5.8	5.8	5.5	6.1	5.9	5.6	5.8	5.9	5.6	6.4	5.9	4.1	4.1
85	<i>L. silvarum</i> <sup>(*)aa</sup>	6.1	6.2	5.9	6.1	6.1	6.4	5.8	5.9	5.9	5.9	5.9	5.6	6.2	6.1	5.8	5.9	5.8	5.8	6.5	6.1	4.3	4.3
86	<i>L. silvarum</i> <sup>(*)ab</sup>	5.8	5.9	5.9	5.8	5.8	6.1	5.5	5.6	5.6	5.6	5.6	5.3	5.9	5.8	5.5	5.6	5.8	5.5	6.2	5.8	4.0	4.0
87	<i>L. caesar</i> <sup>(*)ac</sup>	1.1	1.2	1.2	1.1	1.1	1.1	1.1	0.9	0.9	0.9	1.2	0.9	1.2	0.8	0.8	1.2	1.7	1.4	1.2	1.1	5.5	5.5
88	<i>L. caesar</i> <sup>(*)ad</sup>	1.1	1.2	1.2	1.1	1.1	1.1	1.1	0.9	0.9	0.9	1.2	0.9	1.2	0.8	0.8	1.2	1.7	1.4	1.2	1.1	5.5	5.5
89	<i>L. caesar</i> <sup>(*)ae</sup>	0.9	1.1	1.1	1.2	1.2	1.2	0.9	1.1	1.1	1.1	1.1	0.8	1.4	0.9	0.9	1.4	1.5	1.2	1.4	0.9	5.3	5.3
90	<i>L. caesar</i> <sup>(*)af</sup>	0.2	0.3	0.3	1.7	1.7	1.7	1.4	1.5	1.5	1.5	1.5	1.2	1.8	1.4	1.4	1.8	2.0	1.7	1.8	0.2	5.5	5.5

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S51. (Continued)**

		121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142
91	<i>L. caesar</i> <sup>d</sup>	0.8	0.9	0.9	1.4	1.4	1.4	1.1	1.2	1.2	1.2	1.2	0.9	1.5	1.1	1.1	1.5	1.7	1.4	1.5	0.8	5.5	5.5
92	<i>L. caesar</i> <sup>(*)d</sup>	0.8	0.9	0.9	1.4	1.4	1.4	1.1	1.2	1.2	1.2	1.2	0.9	1.5	1.1	1.1	1.5	1.7	1.4	1.5	0.8	5.5	5.5
93	<i>L. caesar</i> <sup>e</sup>	0.9	1.1	1.1	1.2	1.2	1.2	0.9	1.1	1.1	1.1	1.1	0.8	1.4	0.9	0.9	1.4	1.5	1.2	1.4	0.9	5.6	5.6
94	<i>L. caesar</i> <sup>(*)e</sup>	0.9	1.1	1.1	1.2	1.2	1.2	0.9	1.1	1.1	1.1	1.1	0.8	1.4	0.9	0.9	1.4	1.5	1.2	1.4	0.9	5.6	5.6
95	<i>L. caesar</i> <sup>(*)f</sup>	0.8	0.9	0.9	1.4	1.4	1.4	1.1	1.2	1.2	1.2	1.2	0.9	1.5	1.1	1.1	1.5	1.7	1.4	1.5	0.8	5.2	5.2
96	<i>L. caesar</i> <sup>(*)g</sup>	1.2	1.4	1.4	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.4	1.1	1.4	0.9	0.9	1.4	1.8	1.2	1.4	1.2	5.6	5.6
97	<i>L. caesar</i> <sup>(*)h</sup>	0.6	0.8	0.8	1.2	1.2	1.2	0.9	1.1	1.1	1.1	1.1	0.8	1.4	0.9	0.9	1.4	1.5	1.2	1.4	0.6	5.3	5.3
98	<i>L. caesar</i> <sup>(*)i</sup>	0.3	0.2	0.5	1.8	1.8	1.8	1.5	1.7	1.7	1.7	1.7	1.4	2.0	1.5	1.5	2.0	2.1	1.8	2.0	0.3	5.3	5.3
99	<i>L. caesar</i> <sup>(*)j</sup>	1.8	1.7	2.0	0.0	0.0	0.6	0.3	0.2	0.2	0.2	0.2	0.5	0.2	0.3	0.3	0.5	0.6	0.6	0.8	1.8	6.2	6.2
100	<i>L. caesar</i> <sup>(*)k</sup>	1.2	1.4	1.4	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.4	1.1	1.4	0.9	0.9	1.4	1.8	1.5	1.4	1.2	5.6	5.6
101	<i>L. caesar</i> <sup>(*)l</sup>	1.2	1.4	1.4	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.4	1.1	1.4	0.9	0.9	1.4	1.8	1.5	1.4	1.2	5.6	5.6
102	<i>L. caesar</i> <sup>(*)m</sup>	1.2	1.4	1.4	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.4	1.1	1.4	0.9	0.9	1.4	1.8	1.5	1.4	1.2	5.5	5.5
103	<i>L. caesar</i> <sup>(*)n</sup>	1.2	1.4	1.1	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.4	1.1	1.4	0.9	0.9	1.4	1.5	1.5	1.4	1.2	5.6	5.6
104	<i>L. caesar</i> <sup>(*)o</sup>	0.9	1.1	1.1	0.9	0.9	0.9	0.9	0.8	0.8	0.8	1.1	0.8	1.1	0.6	0.6	1.1	1.5	1.2	1.1	0.9	5.6	5.6
105	<i>L. caesar</i> <sup>(*)p</sup>	1.1	1.2	0.9	1.4	1.4	1.4	1.1	1.2	1.2	1.2	1.2	0.9	1.5	1.1	1.1	1.5	1.4	1.4	1.5	1.1	5.5	5.5
106	<i>L. caesar</i> <sup>(*)q</sup>	0.8	0.9	0.9	1.1	1.1	1.1	0.8	0.9	0.9	0.9	0.9	0.6	1.2	0.8	0.8	1.2	1.4	1.1	1.2	0.8	5.5	5.5
107	<i>L. caesar</i> <sup>(*)r</sup>	1.1	1.2	1.2	1.4	1.4	1.4	1.1	1.2	1.2	1.2	1.2	0.9	1.5	1.1	1.1	1.5	1.7	1.4	1.5	1.1	5.5	5.5
108	<i>L. caesar</i> <sup>(*)s</sup>	0.6	0.8	0.8	1.2	1.2	1.2	0.9	1.1	1.1	1.1	1.1	0.8	1.4	0.9	0.9	1.4	1.5	1.2	1.4	0.6	5.3	5.3
109	<i>L. caesar</i> <sup>(*)t</sup>	0.9	1.1	1.1	1.2	1.2	1.2	0.9	1.1	1.1	1.1	1.1	0.8	1.4	0.9	0.9	1.4	1.5	1.2	1.4	0.9	5.6	5.6
110	<i>L. caesar</i> <sup>(*)u</sup>	0.9	1.1	1.1	1.5	1.5	1.5	1.2	1.4	1.4	1.4	1.4	1.1	1.7	1.2	1.2	1.7	1.8	1.5	1.7	0.9	5.3	5.3
111	<i>L. caesar</i> <sup>(*)v</sup>	0.8	0.9	0.9	1.4	1.4	1.4	1.1	1.2	1.2	1.2	1.2	0.9	1.5	1.1	1.1	1.5	1.7	1.4	1.5	0.8	5.2	5.2
112	<i>L. caesar</i> <sup>(*)w</sup>	0.5	0.6	0.6	1.4	1.4	1.4	1.4	1.2	1.2	1.2	1.5	1.2	1.5	1.1	1.1	1.5	2.0	1.7	1.5	0.5	5.8	5.8
113	<i>L. caesar</i> <sup>(*)x</sup>	0.9	1.1	1.1	1.5	1.5	1.5	1.2	1.4	1.4	1.4	1.4	1.1	1.7	1.2	1.2	1.7	1.8	1.4	1.7	0.9	5.6	5.6
114	<i>L. caesar</i> <sup>(*)y</sup>	0.3	0.5	0.5	1.5	1.5	1.5	1.2	1.4	1.4	1.4	1.4	1.1	1.7	1.2	1.2	1.7	1.8	1.5	1.7	0.3	5.3	5.3
115	<i>L. caesar</i> <sup>(*)z</sup>	0.3	0.5	0.5	1.5	1.5	1.5	1.2	1.4	1.4	1.4	1.4	1.1	1.7	1.2	1.2	1.7	1.8	1.5	1.7	0.3	5.6	5.6
116	<i>L. caesar</i> <sup>(*)aa</sup>	0.9	1.1	0.8	1.5	1.5	1.5	1.2	1.4	1.4	1.4	1.4	1.1	1.7	1.2	1.2	1.7	1.8	1.5	1.7	0.9	5.3	5.3
117	<i>L. caesar</i> <sup>(*)ab</sup>	0.5	0.6	0.6	1.7	1.7	1.7	1.4	1.5	1.5	1.5	1.5	1.2	1.8	1.4	1.4	1.8	1.7	1.7	1.8	0.5	5.5	5.5
118	<i>L. caesar</i> <sup>(*)ac</sup>	1.7	1.5	1.8	0.2	0.2	0.5	0.2	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.8	0.8	0.6	1.7	6.1	6.1
119	<i>L. caesar</i> <sup>(*)ad</sup>	0.3	0.5	0.5	1.8	1.8	1.8	1.5	1.7	1.7	1.7	1.7	1.4	2.0	1.5	1.5	2.0	2.1	1.8	2.0	0.3	5.6	5.6
120	<i>L. caesar</i> <sup>(*)ae</sup>	0.3	0.5	0.5	1.8	1.8	1.5	1.5	1.7	1.7	1.7	1.7	1.4	1.7	1.5	1.5	2.0	2.1	1.8	1.7	0.3	5.3	5.3

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.



Table S51. (Continued)

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142
121 <i>L. caesar</i> <sup>af</sup>	—	0.5	0.5	1.8	1.8	1.8	1.5	1.7	1.7	1.7	1.7	1.4	2.0	1.5	1.5	2.0	2.1	1.8	2.0	0.3	5.6	5.6
122 <i>L. caesar</i> <sup>ag</sup>	3	—	0.6	1.7	1.7	1.7	1.4	1.5	1.5	1.5	1.5	1.5	1.8	1.4	1.4	1.8	2.0	1.7	1.8	0.5	5.5	5.5
123 <i>L. caesar</i> <sup>ah</sup>	3	4	—	2.0	2.0	2.0	1.7	1.8	1.8	1.8	1.8	1.5	2.1	1.7	1.7	2.1	2.0	2.0	2.1	0.5	5.8	5.8
124 <i>L. illustris</i> <sup>a</sup>	12	11	13	—	0.0	0.6	0.3	0.2	0.2	0.2	0.2	0.5	0.2	0.3	0.3	0.5	0.6	0.6	0.8	1.8	6.2	6.2
125 <i>L. illustris</i> <sup>b</sup>	12	11	13	0	—	0.6	0.3	0.2	0.2	0.2	0.2	0.5	0.2	0.3	0.3	0.5	0.6	0.6	0.8	1.8	6.2	6.2
126 <i>L. illustris</i> <sup>c</sup>	12	11	13	4	4	—	0.6	0.5	0.5	0.8	0.8	0.8	0.5	0.3	0.6	0.8	1.2	1.2	0.2	1.8	6.2	6.2
127 <i>L. illustris</i> <sup>d</sup>	10	9	11	2	2	4	—	0.2	0.2	0.5	0.2	0.2	0.5	0.3	0.3	0.5	0.6	0.6	0.8	1.5	5.9	5.9
128 <i>L. illustris</i> <sup>e</sup>	11	10	12	1	1	3	1	—	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.8	0.8	0.6	1.7	6.1	6.1
129 <i>L. illustris</i> <sup>f</sup>	11	10	12	1	1	3	1	0	—	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.8	0.8	0.6	1.7	6.1	6.1
130 <i>L. illustris</i> <sup>g</sup>	11	10	12	1	1	5	3	2	2	—	0.3	0.6	0.3	0.5	0.5	0.6	0.8	0.5	0.9	1.7	6.1	6.1
131 <i>L. illustris</i> <sup>h</sup>	11	10	12	1	1	5	1	2	2	2	—	0.3	0.3	0.5	0.5	0.6	0.5	0.5	0.9	1.7	6.1	6.1
132 <i>L. illustris</i> <sup>i</sup>	9	10	10	3	3	5	1	2	2	4	2	—	0.6	0.5	0.5	0.6	0.8	0.8	0.9	1.4	5.8	5.8
133 <i>L. illustris</i> <sup>j</sup>	13	12	14	1	1	3	3	2	2	2	2	4	—	0.5	0.5	0.6	0.8	0.8	0.6	2.0	6.1	6.1
134 <i>L. illustris</i> <sup>k</sup>	10	9	11	2	2	2	2	1	1	3	3	3	3	—	0.3	0.5	0.9	0.9	0.5	1.5	6.2	6.2
135 <i>L. illustris</i> <sup>l</sup>	10	9	11	2	2	4	2	1	1	3	3	3	3	2	—	0.5	0.9	0.9	0.8	1.5	5.9	5.9
136 <i>L. illustris</i> <sup>m</sup>	13	12	14	3	3	5	3	2	2	4	4	4	4	3	3	—	1.1	1.1	0.9	2.0	6.4	6.4
137 <i>L. illustris</i> <sup>n</sup>	14	13	13	4	4	8	4	5	5	5	3	5	5	6	6	7	—	0.9	1.4	2.1	6.2	6.2
138 <i>L. illustris</i> <sup>o</sup>	12	11	13	4	4	8	4	5	5	3	3	5	5	6	6	7	6	—	1.4	1.8	6.2	6.2
139 <i>L. illustris</i> <sup>p</sup>	13	12	14	5	5	1	5	4	4	6	6	6	4	3	5	6	9	9	—	2.0	6.4	6.4
140 <i>L. illustris</i> <sup>q</sup>	2	3	3	12	12	12	10	11	11	11	11	9	13	10	10	13	14	12	13	—	5.6	5.6
141 <i>L. bufonivora</i> <sup>r</sup>	37	36	38	41	41	41	39	40	40	40	40	38	40	41	39	42	41	41	42	37	—	0.0
142 <i>L. bufonivora</i> <sup>s</sup>	37	36	38	41	41	41	39	40	40	40	40	38	40	41	39	42	41	41	42	37	0	—

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV.

**Material suplementario / Supplementary material**

**Table S52.** Pairwise sequence divergence between the studied Calliphoridae (*Ch. albiceps*\*, *C. vicina*\*, *C. vomitoria*\*, *L. sericata*\*, *L. richardsi*\*, *L. ampullacea*\*, *L. silvarum*\*, *L. caesar*\*, *L. illustris*\* and *L. bufonivora*\*) haplotypes for the COI (616 bp). GenBank database sequences for the studied species were included for comparison purposes. The brackets in the superscript indicate more than one sequence with same haplotype (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1 <i>Ch. albiceps</i> <sup>(a)</sup>	—	0.0	0.2	0.3	10.9	10.9	10.9	10.9	10.7	10.7	10.7	10.7	10.9	11.0	10.7	11.0	10.7	10.9	10.9	11.0	10.7	10.7	10.7	10.7	11.0	11.0	11.2	10.7	10.6	10.6	10.7
2 <i>Ch. albiceps</i> <sup>(a)</sup>	0	—	0.2	0.3	10.9	10.9	10.9	10.9	10.7	10.7	10.7	10.7	10.9	11.0	10.7	11.0	10.7	10.9	10.9	11.0	10.7	10.7	10.7	10.7	11.0	11.0	11.2	10.7	10.6	10.6	10.7
3 <i>Ch. albiceps</i> <sup>(b)</sup>	1	1	—	0.5	10.7	10.7	10.7	10.7	10.6	10.6	10.6	10.6	10.7	10.9	10.6	10.9	10.6	10.7	10.7	10.9	10.6	10.6	10.6	10.6	10.9	10.9	11.0	10.6	10.4	10.4	10.6
4 <i>Ch. albiceps</i> <sup>(c)</sup>	2	2	3	—	10.6	10.6	10.6	10.6	10.4	10.4	10.4	10.4	10.6	10.7	10.4	10.7	10.4	10.6	10.6	10.7	10.4	10.4	10.7	10.4	10.7	10.9	10.4	10.6	10.2	10.4	
5 <i>C. vicina</i> <sup>(a)</sup>	67	67	66	65	—	0.0	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
6 <i>C. vicina</i> <sup>(a)</sup>	67	67	66	65	0	—	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
7 <i>C. vicina</i> <sup>(b)</sup>	67	67	66	65	1	1	—	0.0	0.3	0.3	0.3	0.2	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
8 <i>C. vicina</i> <sup>(b)</sup>	67	67	66	65	1	1	0	—	0.3	0.3	0.3	0.2	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
9 <i>C. vicina</i> <sup>(c)</sup>	66	66	65	64	1	1	2	2	—	0.0	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
10 <i>C. vicina</i> <sup>(c)</sup>	66	66	65	64	1	1	2	2	0	—	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
11 <i>C. vicina</i> <sup>(d)</sup>	66	66	65	64	1	1	2	2	2	2	—	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
12 <i>C. vicina</i> <sup>(e)</sup>	66	66	65	64	2	2	1	1	3	3	3	—	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
13 <i>C. vicina</i> <sup>(f)</sup>	67	67	66	65	2	2	3	3	3	3	3	4	—	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.6	0.3	0.6	0.6
14 <i>C. vicina</i> <sup>(g)</sup>	68	68	67	66	1	1	2	2	2	2	2	3	3	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5
15 <i>C. vicina</i> <sup>(h)</sup>	66	66	65	64	1	1	2	2	2	2	2	3	3	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
16 <i>C. vicina</i> <sup>(i)</sup>	68	68	67	66	1	1	2	2	2	2	2	3	3	2	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
17 <i>C. vicina</i> <sup>(i)</sup>	66	66	65	64	1	1	2	2	2	2	2	3	3	2	2	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	
18 <i>C. vicina</i> <sup>(j)</sup>	67	67	66	65	1	1	2	2	2	2	2	3	3	2	2	2	2	—	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.2	0.5	0.5	0.5
19 <i>C. vicina</i> <sup>(k)</sup>	67	67	66	65	1	1	2	2	2	2	2	3	3	2	2	2	2	0	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.2	0.5	0.5	0.5
20 <i>C. vicina</i> <sup>(l)</sup>	68	68	67	66	1	1	2	2	2	2	2	3	3	2	2	2	2	2	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
21 <i>C. vicina</i> <sup>(m)</sup>	66	66	65	64	1	1	2	2	2	2	2	3	3	2	2	2	2	2	2	2	—	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
22 <i>C. vicina</i> <sup>(n)</sup>	66	66	65	64	1	1	2	2	2	2	2	3	3	1	2	2	2	2	2	2	2	—	0.3	0.3	0.3	0.3	0.5	0.2	0.5	0.5	0.5
23 <i>C. vicina</i> <sup>(o)</sup>	66	66	65	66	1	1	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	—	0.3	0.3	0.3	0.5	0.2	0.5	0.5	0.5
24 <i>C. vicina</i> <sup>(p)</sup>	66	66	65	64	1	1	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	—	0.3	0.3	0.5	0.5	0.5	0.5	0.5
25 <i>C. vicina</i> <sup>(q)</sup>	68	68	67	66	1	1	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	—	0.3	0.5	0.5	0.5	0.5	0.5
26 <i>C. vicina</i> <sup>(r)</sup>	68	68	67	66	1	1	2	2	2	2	2	3	1	2	2	2	2	2	2	2	2	2	2	2	2	—	0.5	0.5	0.5	0.5	0.5
27 <i>C. vicina</i> <sup>(s)</sup>	69	69	68	67	2	2	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	—	0.6	0.6	0.6	0.6
28 <i>C. vicina</i> <sup>(t)</sup>	66	66	65	64	2	2	3	3	3	3	3	4	2	3	3	3	3	3	1	1	3	3	1	3	3	3	3	4	4	4	4
29 <i>C. vicina</i> <sup>(u)</sup>	65	65	64	65	2	2	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4
30 <i>C. vicina</i> <sup>(v)</sup>	65	65	64	63	2	2	3	3	1	1	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4
31 <i>C. vicina</i> <sup>(w)</sup>	66	66	65	64	2	2	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

**Material suplementario / Supplementary material**

**Table S52.** (Continued)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
32	<i>C. vicina</i> <sup>x</sup>	66	66	65	64	2	2	3	3	3	3	3	4	2	3	3	3	3	3	3	3	3	1	3	3	3	3	4	2	4	4	4
33	<i>C. vicina</i> <sup>y</sup>	67	67	66	65	2	2	3	3	3	3	3	4	2	3	3	3	3	3	3	3	3	1	3	3	3	3	4	2	4	4	4
34	<i>C. vicina</i> <sup>z</sup>	67	67	66	65	2	2	3	3	3	3	3	4	2	3	3	3	3	3	3	3	3	1	3	3	3	3	4	2	4	4	4
35	<i>C. vicina</i> <sup>aa</sup>	65	65	64	63	2	2	3	3	1	1	3	4	2	3	3	3	3	3	3	3	3	1	3	3	3	3	4	2	4	2	4
36	<i>C. vicina</i> <sup>ab</sup>	67	67	66	65	2	2	3	3	1	1	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	2	4
37	<i>C. vicina</i> <sup>ac</sup>	66	66	65	64	2	2	3	3	3	3	3	4	4	3	3	3	1	1	1	3	3	3	3	3	3	3	4	2	4	4	4
38	<i>C. vicina</i> <sup>ad</sup>	68	68	67	66	2	2	3	3	3	3	3	4	4	3	3	1	3	1	1	3	3	3	3	3	3	3	4	2	4	4	4
39	<i>C. vicina</i> <sup>ae</sup>	67	67	66	65	2	2	1	1	3	3	3	2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4
40	<i>C. vicina</i> <sup>af</sup>	69	69	68	67	2	2	3	3	3	3	3	4	4	3	3	1	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4
41	<i>C. vicina</i> <sup>ag</sup>	69	69	68	67	2	2	3	3	3	3	3	4	4	3	3	3	3	3	3	1	3	3	3	3	3	3	4	4	4	4	4
42	<i>C. vicina</i> <sup>ah</sup>	69	69	68	67	2	2	3	3	3	3	3	4	2	3	3	3	3	3	3	3	3	3	3	3	3	1	4	4	4	4	4
43	<i>C. vicina</i> <sup>ai</sup>	65	65	64	63	2	2	3	3	3	3	3	4	4	3	3	3	3	3	3	3	1	3	3	3	3	3	4	4	2	4	4
44	<i>C. vicina</i> <sup>aj</sup>	66	66	65	64	2	2	3	3	3	3	1	4	4	3	3	3	3	1	1	3	3	3	3	3	3	3	4	2	4	4	4
45	<i>C. vicina</i> <sup>ak</sup>	67	67	66	65	3	3	4	4	4	4	4	5	3	4	4	4	4	4	4	4	4	2	4	4	4	4	5	3	5	5	5
46	<i>C. vicina</i> <sup>al</sup>	66	66	65	64	3	3	4	4	4	4	2	5	3	4	4	4	4	4	4	4	4	2	4	4	4	4	5	3	5	5	5
47	<i>C. vicina</i> <sup>am</sup>	67	67	66	65	3	3	2	2	4	4	4	1	5	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5
48	<i>C. vicina</i> <sup>an</sup>	66	66	65	64	3	3	4	4	2	2	4	3	5	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	3	5
49	<i>C. vicina</i> <sup>ao</sup>	65	65	64	63	3	3	4	4	4	4	2	5	5	4	4	4	4	4	4	4	2	4	4	4	4	4	5	5	5	5	5
50	<i>C. vicina</i> <sup>ap</sup>	66	66	65	64	5	5	6	6	6	6	6	7	5	6	6	6	6	6	6	6	6	4	4	6	6	6	7	5	7	7	7
51	<i>C. vomitoria</i> <sup>a)</sup>	68	68	67	68	30	30	31	31	31	31	29	30	30	30	29	31	31	31	31	31	29	29	29	29	29	31	32	30	28	32	32
52	<i>C. vomitoria</i> <sup>*a)</sup>	68	68	67	68	30	30	31	31	31	31	31	29	30	30	30	29	31	31	31	31	29	29	29	29	29	31	32	30	28	32	32
53	<i>C. vomitoria</i> <sup>b)</sup>	67	67	66	67	29	29	30	30	30	30	28	29	29	29	28	30	30	30	30	30	28	28	28	28	28	30	31	29	27	31	31
54	<i>C. vomitoria</i> <sup>*b)</sup>	67	67	66	67	29	29	30	30	30	30	28	29	29	29	28	30	30	30	30	30	28	28	28	28	28	30	31	29	27	31	31
55	<i>C. vomitoria</i> <sup>c)</sup>	67	67	66	67	31	31	32	32	32	32	30	31	31	30	32	30	32	32	32	32	30	30	30	30	30	32	33	31	29	33	33
56	<i>C. vomitoria</i> <sup>d)</sup>	68	68	67	68	30	30	31	31	31	31	29	30	30	30	29	31	31	31	31	31	29	29	29	29	29	31	32	30	28	32	32
57	<i>C. vomitoria</i> <sup>e)</sup>	67	67	66	67	32	32	33	33	33	33	33	32	32	33	31	33	33	32	32	32	33	31	31	31	31	33	34	31	30	34	34
58	<i>L. sericata</i> <sup>a)</sup>	55	55	54	55	57	57	57	57	56	56	58	56	57	58	58	56	58	58	58	58	56	56	56	56	56	58	59	57	57	56	59
59	<i>L. sericata</i> <sup>*a)</sup>	55	55	54	55	57	57	57	57	56	56	58	56	57	58	58	56	58	58	58	58	56	56	56	56	56	58	59	57	57	56	59
60	<i>L. sericata</i> <sup>*b)</sup>	54	54	53	54	56	56	56	56	55	55	57	55	56	57	55	57	57	57	57	57	55	55	55	55	55	57	58	56	56	55	58
61	<i>L. sericata</i> <sup>*c)</sup>	54	54	53	54	58	58	58	58	57	57	59	57	58	59	59	57	59	59	59	59	57	57	57	57	57	59	60	58	58	57	60
62	<i>L. sericata</i> <sup>*d)</sup>	54	54	53	54	56	56	56	56	55	55	57	55	56	57	55	57	57	57	57	57	55	55	55	55	55	57	58	56	56	55	58

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

*Material suplementario / Supplementary material*

**Table S52.** (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
63	<i>L. sericata</i> <sup>g</sup>	55	55	54	55	56	56	56	56	55	57	55	56	57	57	55	57	57	57	57	55	55	55	55	55	57	58	56	56	55	58	
64	<i>L. sericata</i> <sup>h</sup>	56	56	55	56	58	58	58	58	57	59	57	58	59	59	57	59	59	59	59	59	57	57	57	57	57	59	60	58	58	57	60
65	<i>L. sericata</i> <sup>g</sup>	54	54	53	54	56	56	56	56	55	55	57	55	56	57	55	57	57	57	57	55	55	55	55	55	55	57	58	56	56	55	58
66	<i>L. sericata</i> <sup>h</sup>	56	56	55	56	57	57	57	57	56	56	58	56	57	58	58	56	58	58	58	58	56	56	56	56	56	58	59	57	57	56	59
67	<i>L. sericata</i>	54	54	53	54	58	58	58	58	57	59	57	58	59	59	57	59	59	59	59	59	57	57	57	57	57	59	60	58	56	57	60
68	<i>L. sericata</i>	56	56	55	56	57	57	57	57	56	56	58	56	57	58	58	56	58	58	58	58	56	56	56	56	56	58	59	57	57	56	59
69	<i>L. sericata</i> <sup>k</sup>	55	55	54	55	57	57	57	57	56	56	58	56	57	58	58	56	58	58	58	58	56	56	56	56	56	58	59	57	57	55	59
70	<i>L. sericata</i> <sup>l</sup>	55	55	54	55	57	57	57	57	56	56	58	56	57	58	58	56	58	58	58	58	56	56	56	56	56	58	59	57	57	56	59
71	<i>L. sericata</i> <sup>m</sup>	55	55	54	55	57	57	57	57	56	56	58	56	57	58	58	56	58	58	58	58	56	56	56	56	56	58	59	57	57	56	59
72	<i>L. richardst</i> <sup>n</sup>	47	47	48	47	56	56	56	56	55	55	55	55	56	57	55	55	57	57	57	55	55	55	55	55	55	57	58	56	54	55	58
73	<i>L. ampullacea</i> <sup>o</sup>	57	57	56	57	61	61	62	62	60	60	60	61	62	62	60	60	62	62	62	60	60	61	60	60	60	62	63	62	59	60	63
74	<i>L. ampullacea</i> <sup>o</sup>	57	57	56	57	61	61	62	62	60	60	60	61	62	62	60	60	62	62	62	60	60	61	60	60	60	62	63	62	59	60	63
75	<i>L. ampullacea</i> <sup>o</sup>	58	58	57	58	61	61	62	62	60	60	60	61	62	62	60	60	62	62	62	60	60	61	60	60	60	62	63	62	59	60	63
76	<i>L. ampullacea</i> <sup>o</sup>	58	58	57	58	62	62	63	63	61	61	61	62	63	63	61	61	63	63	63	61	61	62	61	61	61	63	64	63	60	61	64
77	<i>L. ampullacea</i> <sup>o</sup>	57	57	56	57	60	60	61	61	59	59	59	60	61	61	59	59	61	61	61	59	59	60	59	59	59	61	62	61	58	59	62
78	<i>L. ampullacea</i> <sup>o</sup>	58	58	57	58	61	61	62	62	60	60	60	61	62	62	60	60	62	62	62	60	60	61	60	60	60	62	63	62	59	60	63
79	<i>L. ampullacea</i> <sup>o</sup>	58	58	57	58	62	62	63	63	61	61	61	62	63	63	61	61	63	63	63	61	61	62	61	61	61	63	64	63	60	61	64
80	<i>L. ampullacea</i> <sup>o</sup>	58	58	57	58	62	62	63	63	61	61	61	62	63	63	61	61	63	63	63	61	61	62	61	61	61	63	64	63	60	61	64
81	<i>L. ampullacea</i> <sup>o</sup>	58	58	57	58	62	62	63	63	61	61	61	62	63	63	61	61	63	63	63	61	61	62	61	61	61	63	64	63	60	61	64
82	<i>L. ampullacea</i> <sup>o</sup>	58	58	57	58	62	62	63	63	61	61	61	62	63	63	61	61	63	63	63	61	61	62	61	61	61	63	64	63	60	61	64
83	<i>L. ampullacea</i> <sup>o</sup>	59	59	58	59	63	63	64	64	62	62	62	63	64	64	62	62	64	64	64	62	62	63	62	62	62	64	65	64	61	62	65
84	<i>L. ampullacea</i> <sup>o</sup>	58	58	57	58	61	61	62	62	60	60	60	61	62	62	60	60	62	62	62	60	60	61	60	60	60	62	63	62	59	60	63
85	<i>L. silvarum</i> <sup>o</sup>	54	54	55	54	57	57	57	57	56	56	56	58	57	58	56	56	58	58	58	58	56	56	56	56	56	58	59	57	55	56	59
86	<i>L. silvarum</i> <sup>o</sup>	55	55	56	55	58	58	58	58	57	57	57	59	58	59	57	57	59	59	59	59	57	57	57	57	57	59	60	58	56	57	60
87	<i>L. caesar</i> <sup>o</sup>	59	59	60	59	61	61	62	62	60	60	60	61	59	62	62	60	62	62	62	62	60	60	60	60	60	60	63	61	61	60	62
88	<i>L. caesar</i> <sup>o</sup>	57	57	58	57	59	59	60	60	58	58	58	59	57	60	60	58	60	60	60	60	58	58	58	58	58	61	59	59	58	60	60
89	<i>L. caesar</i> <sup>o</sup>	57	57	58	57	59	59	60	60	58	58	58	59	57	60	60	58	60	60	60	60	58	58	58	58	58	61	59	59	58	60	60
90	<i>L. caesar</i> <sup>o</sup>	58	58	59	58	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	59	62	60	60	59	61	60
91	<i>L. caesar</i> <sup>o</sup>	58	58	59	58	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	59	62	60	60	59	61	60
92	<i>L. caesar</i> <sup>o</sup>	60	60	61	58	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	61	59	59	62	60	62	59	61	60
93	<i>L. caesar</i> <sup>o</sup>	60	60	61	60	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	59	62	60	60	59	61	60

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

*Material suplementario / Supplementary material*

**Table S52.** (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
94	<i>L. caesar</i> <sup>(h)</sup>	58	58	59	58	62	62	63	63	61	61	62	60	63	63	61	63	63	63	63	61	61	61	61	61	61	64	62	62	61	63		
95	<i>L. caesar</i> <sup>(i)</sup>	54	54	55	54	58	58	59	59	57	57	58	56	59	59	59	59	59	59	59	59	57	57	57	57	57	60	58	58	57	59		
96	<i>L. caesar</i> <sup>(j)</sup>	58	58	59	56	55	55	56	56	54	54	54	55	57	56	56	56	56	56	56	56	54	56	56	54	56	57	57	55	54	56		
97	<i>L. caesar</i> <sup>(k)</sup>	60	60	61	60	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	59	62	60	60	59	61		
98	<i>L. caesar</i> <sup>(l)</sup>	58	58	59	58	61	61	62	62	60	60	60	61	59	62	62	60	62	62	62	62	60	60	60	60	60	63	61	61	60	62		
99	<i>L. caesar</i> <sup>(m)</sup>	58	58	59	58	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	59	62	60	60	59	61		
100	<i>L. caesar</i> <sup>(n)</sup>	58	58	59	58	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	59	62	60	60	59	61		
101	<i>L. caesar</i> <sup>(o)</sup>	60	60	61	60	62	62	63	63	61	61	61	62	60	63	63	61	63	63	63	63	61	61	61	61	61	64	62	62	61	63		
102	<i>L. caesar</i> <sup>(p)</sup>	59	59	60	59	62	62	63	63	61	61	61	62	60	63	63	61	63	63	63	63	61	61	61	61	61	61	64	62	62	61	63	
103	<i>L. caesar</i> <sup>(q)</sup>	60	60	61	60	62	62	63	63	61	61	61	62	60	63	63	61	63	63	63	63	61	61	61	61	61	61	64	62	62	61	63	
104	<i>L. caesar</i> <sup>(r)</sup>	60	60	61	60	62	62	63	63	61	61	61	62	60	63	63	61	63	63	63	63	61	61	61	61	61	61	64	62	62	61	63	
105	<i>L. caesar</i> <sup>(s)</sup>	60	60	61	60	61	61	62	62	60	60	60	61	59	62	62	60	62	62	62	62	60	60	60	60	60	60	63	61	61	60	62	
106	<i>L. caesar</i> <sup>(t)</sup>	60	60	61	60	62	62	63	63	61	61	61	62	60	63	63	61	63	63	63	63	61	61	61	61	61	61	64	62	62	61	63	
107	<i>L. caesar</i> <sup>(u)</sup>	58	58	59	58	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	59	62	60	60	59	61		
108	<i>L. caesar</i> <sup>(v)</sup>	59	59	60	59	61	61	62	62	60	60	60	61	59	62	62	60	62	62	62	62	60	60	60	60	60	60	63	61	61	60	62	
109	<i>L. caesar</i> <sup>(w)</sup>	59	59	60	59	61	61	62	62	60	60	60	61	59	62	62	60	62	62	62	62	60	60	60	60	60	60	63	61	61	60	62	
110	<i>L. caesar</i> <sup>(x)</sup>	59	59	60	59	59	59	60	60	58	58	58	59	59	60	60	58	60	60	60	60	58	60	58	58	58	58	61	61	59	58	60	
111	<i>L. caesar</i> <sup>(y)</sup>	59	59	60	59	61	61	62	62	60	60	60	61	59	62	62	60	62	62	62	62	60	60	60	60	60	60	63	61	61	60	62	
112	<i>L. caesar</i> <sup>(z)</sup>	59	59	60	59	63	63	64	64	62	62	62	63	61	64	64	62	64	64	64	64	62	62	62	62	62	65	63	63	62	64		
113	<i>L. caesar</i> <sup>(aa)</sup>	57	57	58	57	59	59	60	60	58	58	58	59	57	60	60	60	60	60	60	60	58	58	58	58	58	58	61	59	59	58	60	
114	<i>L. caesar</i> <sup>(ab)</sup>	57	57	58	57	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	59	62	60	60	59	61		
115	<i>L. caesar</i> <sup>(ac)</sup>	60	60	61	58	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	61	59	59	62	60	62	59	61		
116	<i>L. caesar</i> <sup>(ad)</sup>	60	60	61	58	61	61	62	62	60	60	60	61	59	62	62	60	62	62	62	62	60	60	62	60	60	60	63	61	63	60	62	
117	<i>L. caesar</i> <sup>(ae)</sup>	60	60	61	60	62	62	63	63	61	61	61	62	60	63	63	61	63	63	63	63	61	61	61	61	61	61	64	62	62	61	63	
118	<i>L. caesar</i> <sup>(af)</sup>	58	58	59	58	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	59	62	60	60	59	61		
119	<i>L. caesar</i> <sup>(ag)</sup>	61	61	62	61	63	63	64	64	62	62	62	63	61	64	64	62	64	64	64	64	62	62	62	62	62	65	63	63	62	64		
120	<i>L. caesar</i> <sup>(ah)</sup>	59	59	60	59	61	61	62	62	60	60	60	61	61	62	62	60	62	62	62	62	60	62	60	60	60	60	63	63	59	60	62	
121	<i>L. caesar</i> <sup>(ai)</sup>	59	59	60	59	61	61	62	62	60	60	60	61	61	62	62	60	62	62	62	62	60	60	60	60	60	60	62	63	61	61	60	62
122	<i>L. caesar</i> <sup>(aj)</sup>	58	58	59	56	58	58	59	59	57	57	57	58	56	59	59	57	59	59	59	59	57	57	59	57	57	60	58	60	57	59		
123	<i>L. caesar</i> <sup>(ak)</sup>	59	59	60	59	62	62	63	63	61	61	61	62	60	63	63	61	63	63	63	63	61	61	61	61	61	61	64	62	62	61	63	
124	<i>L. caesar</i> <sup>(al)</sup>	58	58	59	58	58	58	59	59	57	57	58	56	59	59	57	59	59	59	59	59	59	57	57	57	57	60	58	58	57	59		

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

*Material suplementario / Supplementary material*

**Table S52.** (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
125	<i>L. caesar</i> <sup>a</sup>	58	58	59	58	60	60	61	61	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	59	59	62	60	60	59	61	
126	<i>L. caesar</i> <sup>ak</sup>	56	56	57	56	58	58	59	59	57	57	58	56	59	59	59	59	59	59	59	57	57	57	57	57	57	60	58	58	57	59	
127	<i>L. caesar</i> <sup>al</sup>	60	60	61	60	62	62	63	63	61	61	61	62	60	63	63	61	63	63	63	63	61	61	61	61	61	64	62	62	61	63	
128	<i>L. caesar</i> <sup>am</sup>	59	59	60	59	59	59	60	60	58	58	59	57	60	60	58	60	60	60	60	58	58	58	58	58	58	61	59	59	58	60	
129	<i>L. caesar</i> <sup>an</sup>	59	59	60	59	61	61	62	62	60	60	60	61	59	62	62	60	62	62	62	62	60	60	60	60	60	63	61	61	60	62	
130	<i>L. caesar</i> <sup>ao</sup>	53	53	54	53	58	58	59	59	57	57	57	58	56	59	59	59	59	59	59	59	57	57	57	57	57	60	58	58	57	59	
131	<i>L. caesar</i> <sup>ap</sup>	55	55	56	55	58	58	59	59	57	57	57	58	56	59	59	59	59	59	59	59	57	57	57	57	57	60	58	58	57	59	
132	<i>L. caesar</i> <sup>aq</sup>	59	59	60	57	56	56	57	57	55	55	55	56	58	57	57	57	57	57	57	57	55	57	57	55	55	57	58	58	56	57	
133	<i>L. illustris</i> <sup>a</sup>	59	59	60	57	56	56	57	57	55	55	55	56	58	57	57	57	57	57	57	55	57	57	55	55	57	58	58	56	55	57	
134	<i>L. illustris</i> <sup>(*)a</sup>	59	59	60	57	56	56	57	57	55	55	55	56	58	57	57	57	57	57	57	55	57	57	55	55	57	58	58	56	55	57	
135	<i>L. illustris</i> <sup>(*)b</sup>	60	60	61	58	57	57	58	58	56	56	56	57	59	58	58	58	58	58	58	58	56	58	58	56	56	58	59	59	57	56	58
136	<i>L. illustris</i> <sup>(*)c</sup>	59	59	60	57	58	58	59	59	57	57	57	58	60	59	59	59	59	59	59	59	57	59	59	57	57	60	60	58	57	59	
137	<i>L. illustris</i> <sup>d</sup>	58	58	59	56	55	55	56	56	54	54	54	55	57	56	56	56	56	56	56	56	54	56	56	54	54	56	57	57	55	54	56
138	<i>L. illustris</i> <sup>e</sup>	60	60	61	58	57	57	58	58	56	56	56	57	59	58	58	58	58	58	58	58	56	58	58	56	56	58	59	59	57	56	58
139	<i>L. illustris</i> <sup>f</sup>	58	58	59	56	55	55	56	56	54	54	54	55	57	56	56	56	56	56	56	56	54	56	56	54	54	56	57	57	55	54	56
140	<i>L. illustris</i> <sup>g</sup>	58	58	59	56	55	55	56	56	54	54	54	55	57	56	56	56	56	56	56	56	54	56	56	54	54	56	57	57	55	54	56
141	<i>L. illustris</i> <sup>h</sup>	58	58	59	56	57	57	58	58	56	56	56	57	57	58	58	58	58	58	58	58	56	58	56	56	58	59	57	57	56	58	
142	<i>L. illustris</i> <sup>i</sup>	60	60	61	58	56	56	57	57	55	55	55	56	58	57	57	57	57	57	57	55	57	57	55	55	57	58	58	56	55	57	
143	<i>L. illustris</i> <sup>j</sup>	60	60	61	58	57	57	58	58	56	56	56	57	59	58	58	58	58	58	58	58	56	58	58	56	56	58	59	59	57	56	58
144	<i>L. illustris</i> <sup>k</sup>	58	58	59	56	55	55	56	56	54	54	54	55	57	56	56	56	56	56	56	56	54	56	56	54	54	56	57	57	55	54	56
145	<i>L. illustris</i> <sup>l</sup>	59	59	60	57	56	56	57	57	55	55	55	56	58	57	57	57	57	57	57	55	57	57	55	55	57	58	58	56	55	57	
146	<i>L. illustris</i> <sup>m</sup>	59	59	60	57	58	58	59	59	57	57	57	58	60	59	59	59	59	59	59	59	57	59	59	57	57	60	60	58	57	59	
147	<i>L. illustris</i> <sup>n</sup>	59	59	60	57	58	58	59	59	57	57	57	58	60	59	59	59	59	59	59	59	57	59	59	57	57	60	60	58	57	59	
148	<i>L. illustris</i> <sup>o</sup>	60	60	61	58	58	58	59	59	57	57	57	58	60	59	59	59	59	59	59	59	57	59	59	57	57	60	60	58	57	59	
149	<i>L. illustris</i> <sup>p</sup>	60	60	61	58	57	57	58	58	56	56	56	57	59	58	58	58	58	58	58	58	56	58	58	56	56	58	59	59	57	56	58
150	<i>L. illustris</i> <sup>q</sup>	60	60	61	58	59	59	60	60	58	58	58	59	61	60	60	60	60	60	60	60	58	60	60	58	58	61	61	59	58	60	
151	<i>L. illustris</i> <sup>r</sup>	60	60	61	58	58	58	59	59	57	57	57	58	60	59	59	59	59	59	59	59	57	59	59	57	57	60	60	58	57	59	
152	<i>L. illustris</i> <sup>s</sup>	58	58	59	58	60	60	61	61	59	59	59	60	58	61	61	59	61	61	61	61	59	59	59	59	62	60	60	59	61		
153	<i>L. bufonivora</i> <sup>a</sup>	61	61	62	59	58	58	58	58	59	59	57	56	59	59	57	59	59	59	59	59	57	57	59	57	57	60	58	58	59	60	
154	<i>L. bufonivora</i> <sup>a</sup>	61	61	62	59	58	58	58	58	59	59	57	56	59	59	57	59	59	59	59	59	57	57	59	57	57	60	58	58	59	60	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

**Material suplementario / Supplementary material**

**Table S52.** (Continued)

		32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
1	<i>Ch. albiceps</i> <sup>a)</sup>	10.7	10.9	10.9	10.6	10.9	10.7	11.0	10.9	11.2	11.2	11.2	10.6	10.7	10.9	10.7	10.9	10.7	10.6	10.7	11.0	11.0	10.9	10.9	10.9	11.0	10.9	8.9	8.9	8.8	8.8	8.8	
2	<i>Ch. albiceps</i> <sup>b)</sup>	10.7	10.9	10.9	10.6	10.9	10.7	11.0	10.9	11.2	11.2	11.2	10.6	10.7	10.9	10.7	10.9	10.7	10.6	10.7	11.0	11.0	10.9	10.9	10.9	11.0	10.9	8.9	8.9	8.8	8.8	8.8	
3	<i>Ch. albiceps</i> <sup>c)</sup>	10.6	10.7	10.7	10.4	10.7	10.6	10.9	10.7	11.0	11.0	11.0	10.4	10.6	10.7	10.6	10.7	10.6	10.4	10.6	10.9	10.9	10.7	10.7	10.7	10.9	10.7	8.8	8.8	8.6	8.6	8.6	
4	<i>Ch. albiceps</i> <sup>d)</sup>	10.4	10.6	10.6	10.2	10.6	10.4	10.7	10.6	10.9	10.9	10.9	10.2	10.4	10.6	10.4	10.6	10.4	10.2	10.4	11.0	11.0	10.9	10.9	10.9	11.0	10.9	8.9	8.9	8.8	8.8	8.8	
5	<i>C. vicina</i> <sup>e)</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	4.9	4.9	4.7	4.7	5.0	4.9	5.2	9.3	9.3	9.1	9.4	9.1	
6	<i>C. vicina</i> <sup>f)</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	4.9	4.9	4.7	4.7	5.0	4.9	5.2	9.3	9.3	9.1	9.4	9.1	
7	<i>C. vicina</i> <sup>g)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.3	0.6	0.6	1.0	5.0	5.0	4.9	4.9	5.2	5.0	5.4	9.3	9.3	9.1	9.4	9.1	
8	<i>C. vicina</i> <sup>h)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.3	0.6	0.6	1.0	5.0	5.0	4.9	4.9	5.2	5.0	5.4	9.3	9.3	9.1	9.4	9.1	
9	<i>C. vicina</i> <sup>i)</sup>	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.3	0.6	1.0	5.0	5.0	4.9	4.9	5.2	5.0	5.4	9.1	9.1	8.9	9.3	8.9		
10	<i>C. vicina</i> <sup>j)</sup>	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.3	0.6	1.0	5.0	5.0	4.9	4.9	5.2	5.0	5.4	9.1	9.1	8.9	9.3	8.9		
11	<i>C. vicina</i> <sup>k)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.6	0.3	0.6	0.6	0.3	1.0	4.7	4.7	4.5	4.5	4.9	4.7	5.4	9.4	9.4	9.3	9.6	9.3		
12	<i>C. vicina</i> <sup>l)</sup>	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.2	0.5	0.8	1.1	4.9	4.9	4.7	4.7	5.0	4.9	5.2	9.1	9.1	8.9	9.3	8.9	
13	<i>C. vicina</i> <sup>m)</sup>	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.6	0.6	0.5	0.5	0.8	0.8	0.8	0.8	4.9	4.9	4.7	4.7	5.0	4.9	5.2	9.3	9.3	9.1	9.4	9.1	
14	<i>C. vicina</i> <sup>n)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	1.0	4.9	4.9	4.7	4.7	5.0	4.9	5.4	9.4	9.4	9.3	9.6	9.3		
15	<i>C. vicina</i> <sup>o)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	1.0	4.7	4.7	4.5	4.5	4.9	4.7	5.0	9.4	9.4	9.3	9.6	9.3		
16	<i>C. vicina</i> <sup>p)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.2	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	1.0	5.0	5.0	4.9	4.9	5.2	5.0	5.4	9.1	9.1	8.9	9.3	8.9		
17	<i>C. vicina</i> <sup>q)</sup>	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	1.0	5.0	5.0	4.9	4.9	4.9	5.0	5.4	9.4	9.4	9.3	9.6	9.3		
18	<i>C. vicina</i> <sup>r)</sup>	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.5	0.2	0.6	0.6	0.6	0.6	0.6	1.0	5.0	5.0	4.9	4.9	5.2	5.0	5.2	9.4	9.4	9.3	9.6	9.3		
19	<i>C. vicina</i> <sup>s)</sup>	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.2	0.6	0.6	0.6	0.6	1.0	5.0	5.0	4.9	4.9	5.2	5.0	5.2	9.4	9.4	9.3	9.6	9.3		
20	<i>C. vicina</i> <sup>t)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	1.0	5.0	5.0	4.9	4.9	5.2	5.0	5.4	9.4	9.4	9.3	9.6	9.3		
21	<i>C. vicina</i> <sup>u)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.6	0.6	0.6	0.6	0.3	0.6	4.7	4.7	4.5	4.5	4.9	4.7	5.0	9.1	9.1	8.9	9.3	8.9
22	<i>C. vicina</i> <sup>v)</sup>	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.6	0.6	0.6	0.6	4.7	4.7	4.5	4.5	4.9	4.7	5.0	9.1	9.1	8.9	9.3	8.9	
23	<i>C. vicina</i> <sup>w)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	1.0	4.7	4.7	4.5	4.5	4.9	4.7	5.0	9.1	9.1	8.9	9.3	8.9		
24	<i>C. vicina</i> <sup>x)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	1.0	4.7	4.7	4.5	4.5	4.9	4.7	5.0	9.1	9.1	8.9	9.3	8.9		
25	<i>C. vicina</i> <sup>y)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	1.0	4.7	4.7	4.5	4.5	4.9	4.7	5.0	9.1	9.1	8.9	9.3	8.9		
26	<i>C. vicina</i> <sup>z)</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.6	0.6	0.6	0.6	1.0	5.0	5.0	4.9	4.9	5.2	5.0	5.4	9.4	9.4	9.3	9.6	9.3		
27	<i>C. vicina</i> <sup>aa)</sup>	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	1.1	5.2	5.2	5.0	5.0	5.4	5.2	5.5	9.6	9.6	9.4	9.7	9.4		
28	<i>C. vicina</i> <sup>ab)</sup>	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.5	0.5	0.8	0.8	0.8	0.8	4.9	4.9	4.7	4.7	5.0	4.9	5.0	9.3	9.3	9.1	9.4	9.1	
29	<i>C. vicina</i> <sup>ac)</sup>	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.6	0.8	0.8	0.8	0.8	1.1	4.5	4.5	4.4	4.4	4.7	4.5	4.9	9.3	9.3	9.1	9.4	9.1		
30	<i>C. vicina</i> <sup>ad)</sup>	0.6	0.6	0.6	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.5	0.8	1.1	5.2	5.2	5.0	5.0	5.4	5.2	5.5	9.1	9.1	8.9	9.3	8.9	
31	<i>C. vicina</i> <sup>ae)</sup>	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	1.1	5.2	5.2	5.0	5.0	5.4	5.2	5.5	9.6	9.6	9.4	9.7	9.4		

<sup>a)</sup> Haplotype HI; <sup>b)</sup> Haplotype HII; <sup>c)</sup> Haplotype HIII; <sup>d)</sup> Haplotype HIV; <sup>e)</sup> Haplotype HV; <sup>f)</sup> Haplotype HVI; <sup>g)</sup> Haplotype HVII; <sup>h)</sup> Haplotype HVIII; <sup>i)</sup> Haplotype HIX; <sup>j)</sup> Haplotype HX; <sup>k)</sup> Haplotype HXI; <sup>l)</sup> Haplotype HXII; <sup>m)</sup> Haplotype HXIII; <sup>n)</sup> Haplotype HXIV; <sup>o)</sup> Haplotype HXV; <sup>p)</sup> Haplotype HXVI; <sup>q)</sup> Haplotype HXVII; <sup>r)</sup> Haplotype HXVIII; <sup>s)</sup> Haplotype HXIX; <sup>t)</sup> Haplotype HXX; <sup>u)</sup> Haplotype HXXI; <sup>v)</sup> Haplotype HXXII; <sup>w)</sup> Haplotype HXXIII; <sup>x)</sup> Haplotype HXXIV; <sup>y)</sup> Haplotype HXXV; <sup>z)</sup> Haplotype HXXVI; <sup>aa)</sup> Haplotype HXXVII; <sup>ab)</sup> Haplotype HXXVIII; <sup>ac)</sup> Haplotype HXXIX; <sup>ad)</sup> Haplotype HXXX; <sup>ae)</sup> Haplotype HXXXI; <sup>af)</sup> Haplotype HXXXII; <sup>ag)</sup> Haplotype HXXXIII; <sup>ah)</sup> Haplotype HXXXIV; <sup>ai)</sup> Haplotype HXXXV; <sup>aj)</sup> Haplotype HXXXVI; <sup>ak)</sup> Haplotype HXXXVII; <sup>al)</sup> Haplotype HXXXVIII; <sup>am)</sup> Haplotype HXXXIX; <sup>an)</sup> Haplotype HXXXX; <sup>ao)</sup> Haplotype HXXXXI; <sup>ap)</sup> Haplotype HXXXXII; <sup>aq)</sup> Haplotype HXXXXIII.

Material suplementario / Supplementary material

Table S52. (Continued)

		32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
32	<i>C. vicina</i> <sup>*x</sup>	—	0.3	0.3	0.3	0.6	0.6	0.6	0.3	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.8	0.8	0.5	0.8	4.9	4.9	4.7	4.7	5.0	4.9	5.2	9.3	9.3	9.1	9.4	9.1	
33	<i>C. vicina</i> <sup>*y</sup>	2	—	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.8	0.8	0.8	0.8	4.9	4.9	4.7	4.7	5.0	4.9	5.2	9.3	9.3	9.1	9.4	9.1	
34	<i>C. vicina</i> <sup>*z</sup>	2	2	—	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.8	0.8	0.8	0.8	4.9	4.9	4.7	4.7	5.0	4.9	5.2	9.3	9.3	9.1	9.4	9.1	
35	<i>C. vicina</i> <sup>*aa</sup>	2	2	2	—	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.8	0.5	0.8	0.8	4.9	4.9	4.7	4.7	5.0	4.9	5.2	8.9	8.9	8.8	9.1	8.8	
36	<i>C. vicina</i> <sup>*ab</sup>	4	4	4	2	—	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.5	0.8	1.1	5.2	5.2	5.0	5.0	5.4	5.2	5.5	9.3	9.3	9.1	9.4	9.1	
37	<i>C. vicina</i> <sup>*ac</sup>	4	4	4	4	4	—	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.8	0.8	0.8	0.8	0.8	1.1	5.2	5.2	5.0	5.0	5.0	5.2	5.4	9.6	9.6	9.4	9.7	9.4	
38	<i>C. vicina</i> <sup>*ad</sup>	4	4	4	4	4	2	—	0.6	0.3	0.6	0.6	0.6	0.6	0.3	0.8	0.8	0.8	0.8	1.1	5.2	5.2	5.0	5.0	5.4	5.2	5.4	9.3	9.3	9.1	9.4	9.1	
39	<i>C. vicina</i> <sup>*ae</sup>	2	4	4	4	4	4	4	—	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.5	0.8	0.5	1.1	5.2	5.2	5.0	5.0	5.4	5.2	5.5	9.4	9.4	9.3	9.6	9.3	
40	<i>C. vicina</i> <sup>*af</sup>	4	4	4	4	4	4	2	4	—	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	1.1	5.2	5.2	5.0	5.0	5.4	5.2	5.5	8.9	8.9	8.8	9.1	8.8	
41	<i>C. vicina</i> <sup>*ag</sup>	4	4	4	4	4	4	4	4	4	—	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	1.1	5.2	5.2	5.0	5.0	5.4	5.2	5.5	9.6	9.6	9.4	9.7	9.4	
42	<i>C. vicina</i> <sup>*ah</sup>	4	4	4	4	4	4	4	4	4	—	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	1.1	5.2	5.2	5.0	5.0	5.4	5.2	5.5	9.6	9.6	9.4	9.7	9.4	
43	<i>C. vicina</i> <sup>*ai</sup>	4	4	4	4	4	4	4	4	4	4	—	0.6	0.8	0.8	0.8	0.8	0.5	0.8	4.5	4.5	4.4	4.4	4.7	4.5	4.9	9.3	9.3	9.1	9.4	9.1		
44	<i>C. vicina</i> <sup>*aj</sup>	4	4	4	4	4	2	2	4	4	4	4	4	4	—	0.8	0.5	0.8	0.8	0.5	1.1	4.9	4.9	4.7	4.7	5.0	4.9	5.4	9.6	9.6	9.4	9.7	9.4
45	<i>C. vicina</i> <sup>*ak</sup>	3	3	3	3	5	5	5	5	5	5	5	5	5	—	0.6	1.0	1.0	1.0	1.0	5.0	5.0	4.9	4.9	5.2	5.0	5.2	9.1	9.1	8.9	9.3	8.9	
46	<i>C. vicina</i> <sup>*al</sup>	3	3	3	3	5	5	5	5	5	5	5	5	3	4	—	1.0	1.0	0.6	1.0	4.7	4.7	4.5	4.5	4.9	4.7	5.4	9.4	9.4	9.3	9.6	9.3	
47	<i>C. vicina</i> <sup>*am</sup>	5	5	5	5	5	5	5	3	5	5	5	5	5	6	6	—	0.3	1.0	1.3	5.0	5.0	4.9	4.9	5.2	5.0	5.4	9.3	9.3	9.1	9.4	9.1	
48	<i>C. vicina</i> <sup>*an</sup>	5	5	5	3	3	5	5	5	5	5	5	5	5	6	6	2	—	1.0	1.3	5.0	5.0	4.9	4.9	5.2	5.0	5.4	9.1	9.1	8.9	9.3	8.9	
49	<i>C. vicina</i> <sup>*ao</sup>	3	5	5	5	5	5	5	3	5	5	5	3	3	6	4	6	6	—	1.0	4.7	4.7	4.5	4.5	4.9	4.7	5.4	9.4	9.4	9.3	9.6	9.3	
50	<i>C. vicina</i> <sup>*ap</sup>	5	5	5	5	7	7	7	7	7	7	7	5	7	6	6	8	8	6	—	4.4	4.4	4.2	4.2	4.5	4.4	4.7	8.8	8.8	8.6	8.9	8.6	
51	<i>C. vomitoria</i> <sup>(a)</sup>	30	30	30	30	32	32	32	32	32	32	32	28	30	31	29	31	31	29	27	—	0.0	0.2	0.2	0.2	0.3	3.4	8.6	8.6	8.4	8.8	8.4	
52	<i>C. vomitoria</i> <sup>(*a)</sup>	30	30	30	30	32	32	32	32	32	32	32	28	30	31	29	31	31	29	27	0	—	0.2	0.2	0.2	0.3	3.4	8.6	8.6	8.4	8.8	8.4	
53	<i>C. vomitoria</i> <sup>b</sup>	29	29	29	29	31	31	31	31	31	31	27	29	30	28	30	30	28	26	1	1	—	0.0	0.3	0.2	3.6	8.4	8.4	8.3	8.6	8.3		
54	<i>C. vomitoria</i> <sup>(*b)</sup>	29	29	29	29	31	31	31	31	31	31	27	29	30	28	30	30	28	26	1	1	0	—	0.3	0.2	3.6	8.4	8.4	8.3	8.6	8.3		
55	<i>C. vomitoria</i> <sup>(*c)</sup>	31	31	31	31	33	31	33	33	33	33	29	31	32	30	32	32	30	28	1	1	2	2	—	0.5	3.6	8.8	8.8	8.6	8.9	8.6		
56	<i>C. vomitoria</i> <sup>(*d)</sup>	30	30	30	30	32	32	32	32	32	32	28	30	31	29	31	31	29	27	2	2	1	1	3	—	3.7	8.6	8.6	8.4	8.8	8.4		
57	<i>C. vomitoria</i> <sup>e</sup>	32	32	32	32	34	33	33	34	34	34	34	30	33	32	33	33	33	29	21	21	22	22	22	23	—	8.8	8.8	8.9	8.6	8.6		
58	<i>L. sericata</i> <sup>(a)</sup>	57	57	57	55	57	59	57	58	55	59	59	57	59	56	58	57	56	58	54	53	53	52	52	54	53	54	—	0.0	0.2	0.2	0.2	
59	<i>L. sericata</i> <sup>(*a)</sup>	57	57	57	55	57	59	57	58	55	59	59	57	59	56	58	57	56	58	54	53	53	52	52	54	53	54	0	—	0.2	0.2	0.2	
60	<i>L. sericata</i> <sup>(*b)</sup>	56	56	56	54	56	58	56	57	54	58	58	56	58	55	57	56	55	57	53	52	52	51	51	53	52	55	1	1	—	0.3	0.3	
61	<i>L. sericata</i> <sup>(*c)</sup>	58	58	58	56	58	60	58	59	56	60	60	58	60	57	59	58	57	59	55	54	54	53	53	55	54	53	1	1	2	—	0.3	
62	<i>L. sericata</i> <sup>(*d)</sup>	56	56	56	54	56	58	56	57	54	58	58	56	58	55	57	56	55	57	53	52	52	51	51	53	52	53	1	1	2	2	—	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.



**Material suplementario / Supplementary material**

**Table S52.** (Continued)

		32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
63	<i>L. sericata</i> <sup>a</sup>	56	56	56	54	56	58	56	57	54	58	58	56	58	55	57	56	55	57	53	52	52	51	51	53	52	53	1	1	2	2	2	
64	<i>L. sericata</i> <sup>a†</sup>	58	58	58	56	58	60	58	59	56	60	60	58	60	57	59	58	57	59	55	52	52	51	51	53	52	55	1	1	2	2	2	
65	<i>L. sericata</i> <sup>a‡</sup>	56	56	56	54	56	58	56	57	54	58	58	56	58	55	57	56	55	57	53	52	52	51	51	53	52	53	1	1	2	2	2	
66	<i>L. sericata</i> <sup>a‡</sup>	57	57	57	55	57	59	57	58	55	59	59	57	59	56	58	57	56	58	54	53	53	52	52	54	53	54	1	1	2	2	2	
67	<i>L. sericata</i>	58	58	58	56	58	60	58	59	56	60	60	56	60	57	59	58	57	59	55	52	52	51	51	53	52	53	1	1	2	2	2	
68	<i>L. sericata</i>	57	57	57	55	57	59	57	58	55	59	59	57	59	56	58	57	56	58	54	54	54	53	53	55	54	54	1	1	2	2	2	
69	<i>L. sericata</i> <sup>a‡</sup>	57	57	57	55	57	59	57	58	55	59	59	57	59	56	58	57	56	58	54	54	54	53	53	55	54	54	2	2	3	3	3	
70	<i>L. sericata</i> <sup>a†</sup>	57	57	57	55	57	59	57	58	55	59	59	57	59	56	58	57	56	58	54	51	51	50	50	52	51	54	2	2	3	3	3	
71	<i>L. sericata</i> <sup>a‡</sup>	57	57	57	55	57	59	57	58	55	59	59	57	59	56	58	57	56	58	54	53	53	52	52	54	53	56	2	2	3	3	3	
72	<i>L. richardst</i> <sup>a‡</sup>	56	56	56	54	56	58	56	57	56	58	58	54	56	57	55	56	55	55	53	46	46	45	45	47	46	47	21	21	22	20	20	
73	<i>L. ampullacea</i> <sup>a‡</sup>	60	62	62	60	61	63	61	61	59	61	63	59	61	63	61	62	60	58	59	52	52	53	53	53	54	53	43	43	42	42	44	
74	<i>L. ampullacea</i> <sup>a‡</sup>	60	62	62	60	61	63	61	61	59	61	63	59	61	63	61	62	60	58	59	52	52	53	53	53	54	53	43	43	42	42	44	
75	<i>L. ampullacea</i> <sup>a‡</sup>	60	62	62	60	61	63	61	61	59	61	63	59	61	63	61	62	60	58	59	52	52	53	53	53	54	53	43	43	42	42	44	
76	<i>L. ampullacea</i> <sup>a‡</sup>	61	63	63	61	62	64	62	62	60	62	64	60	62	64	62	63	61	59	60	53	53	54	54	54	55	54	44	44	43	43	45	
77	<i>L. ampullacea</i> <sup>a‡</sup>	61	61	61	59	60	62	60	62	58	60	62	58	60	62	60	61	59	59	58	51	51	52	52	52	53	52	42	42	41	41	43	
78	<i>L. ampullacea</i> <sup>a‡</sup>	60	62	62	60	61	63	61	61	59	61	63	59	61	63	61	62	60	58	59	52	52	53	53	53	54	53	44	44	43	43	45	
79	<i>L. ampullacea</i> <sup>a‡</sup>	61	63	63	61	62	64	62	62	60	62	64	60	62	64	62	63	61	59	60	53	53	54	54	54	55	54	44	44	43	43	45	
80	<i>L. ampullacea</i> <sup>a‡</sup>	61	63	63	61	62	64	62	62	60	62	64	60	62	64	62	63	61	59	60	53	53	54	54	54	55	54	44	44	43	43	45	
81	<i>L. ampullacea</i> <sup>a‡</sup>	61	63	63	61	62	64	62	62	60	62	64	60	62	64	62	63	61	59	60	53	53	54	54	54	55	54	44	44	43	43	45	
82	<i>L. ampullacea</i> <sup>a‡</sup>	61	63	63	61	62	64	62	62	60	62	64	60	62	64	62	63	61	59	60	53	53	54	54	54	55	54	44	44	43	43	45	
83	<i>L. ampullacea</i> <sup>a‡</sup>	62	64	64	62	63	65	63	63	61	63	65	61	63	65	63	64	62	60	61	53	53	54	54	54	55	55	44	44	43	43	45	
84	<i>L. ampullacea</i> <sup>a‡</sup>	60	62	62	60	61	63	61	61	59	61	61	59	61	63	61	62	60	58	59	52	52	53	53	53	54	55	43	43	42	42	44	
85	<i>L. silvarum</i> <sup>a‡</sup>	57	57	57	55	57	59	57	58	57	59	59	55	57	58	54	59	58	56	54	53	53	52	52	54	53	52	26	26	27	25	25	
86	<i>L. silvarum</i> <sup>a‡</sup>	58	58	58	56	58	60	58	59	58	60	60	56	58	59	55	60	59	57	55	54	54	53	53	55	54	53	27	27	28	26	26	
87	<i>L. caesar</i> <sup>a‡</sup>	61	61	61	59	61	63	61	63	59	63	61	61	61	60	60	62	60	60	58	55	55	56	56	56	57	56	38	38	37	37	37	
88	<i>L. caesar</i> <sup>a‡</sup>	59	59	59	57	59	61	59	61	57	61	59	59	59	60	58	60	58	58	56	53	53	54	54	54	55	56	38	38	37	37	37	
89	<i>L. caesar</i> <sup>a‡</sup>	59	59	59	57	59	61	59	61	57	61	59	59	59	60	58	60	58	58	56	53	53	54	54	54	55	56	38	38	37	37	37	
90	<i>L. caesar</i> <sup>a‡</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	61	59	61	59	59	57	54	54	55	55	55	56	55	39	39	38	38	38	
91	<i>L. caesar</i> <sup>a‡</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	61	59	61	59	59	57	54	54	55	55	55	56	55	39	39	38	38	38	
92	<i>L. caesar</i> <sup>a‡</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	60	59	61	59	59	57	56	56	57	57	57	58	57	39	39	38	38	38	
93	<i>L. caesar</i> <sup>a‡</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	60	59	59	61	59	59	57	56	56	57	57	57	58	57	39	39	38	38	38

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

*Material suplementario / Supplementary material*

**Table S52.** (Continued)

	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
94	<i>L. caesar</i> <sup>(*)</sup>	62	62	62	60	62	64	62	64	60	64	62	62	62	61	61	63	61	61	59	56	56	57	57	57	58	57	37	37	36	36	36
95	<i>L. caesar</i> <sup>(*)</sup>	58	58	58	56	58	60	60	60	58	60	58	58	58	59	57	59	57	57	55	52	52	53	53	53	54	55	37	37	36	36	36
96	<i>L. caesar</i> <sup>(*)</sup>	57	57	57	55	55	57	57	57	55	57	57	53	55	56	56	54	54	56	53	53	54	54	54	55	54	42	42	43	41	41	
97	<i>L. caesar</i> <sup>(*)</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	59	59	61	59	59	57	56	56	57	57	57	58	57	39	39	38	38	38
98	<i>L. caesar</i> <sup>(*)</sup>	61	61	61	59	61	63	61	63	59	63	61	61	61	60	60	62	60	60	58	55	55	56	56	56	57	56	38	38	37	37	37
99	<i>L. caesar</i> <sup>(*)</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	59	59	61	59	59	57	54	54	55	55	55	56	55	39	39	38	38	38
100	<i>L. caesar</i> <sup>(*)</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	59	59	61	59	59	57	54	54	55	55	55	56	55	37	37	36	36	36
101	<i>L. caesar</i> <sup>(*)</sup>	62	62	62	60	62	64	62	64	60	64	62	62	62	61	61	63	61	61	59	56	56	57	57	57	58	57	39	39	38	38	38
102	<i>L. caesar</i> <sup>(*)</sup>	60	62	62	60	62	64	62	62	60	64	62	62	62	61	61	63	61	59	59	56	56	57	57	57	58	57	39	39	38	38	38
103	<i>L. caesar</i> <sup>(*)</sup>	62	62	62	60	62	64	62	64	60	64	62	62	62	61	61	63	61	61	59	56	56	57	57	57	58	57	39	39	38	38	38
104	<i>L. caesar</i> <sup>(*)</sup>	62	62	62	60	62	64	62	64	60	64	62	62	62	61	61	63	61	61	59	56	56	57	57	57	58	55	39	39	38	38	38
105	<i>L. caesar</i> <sup>(*)</sup>	61	61	61	59	61	63	61	63	59	63	61	61	61	60	60	62	60	60	58	55	55	56	56	56	57	56	39	39	38	38	38
106	<i>L. caesar</i> <sup>(*)</sup>	62	62	62	60	62	64	62	64	60	64	62	62	62	61	61	63	61	61	59	56	56	57	57	57	58	57	39	39	38	38	38
107	<i>L. caesar</i> <sup>(*)</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	59	59	61	59	59	57	56	56	55	55	55	56	57	37	37	36	36	36
108	<i>L. caesar</i> <sup>(*)</sup>	61	61	61	59	61	63	61	63	59	63	61	61	61	62	60	62	60	60	58	55	55	56	56	56	57	56	40	40	39	39	39
109	<i>L. caesar</i> <sup>(*)</sup>	61	61	61	59	61	63	61	63	59	63	61	61	61	62	60	62	60	60	58	55	55	56	56	56	57	56	40	40	39	39	39
110	<i>L. caesar</i> <sup>(*)</sup>	61	61	61	59	61	63	61	63	59	63	61	61	61	60	60	62	60	60	58	55	55	56	56	56	57	56	38	38	37	37	37
111	<i>L. caesar</i> <sup>(*)</sup>	61	61	61	59	61	63	61	63	59	63	61	61	61	60	60	62	60	60	58	55	55	56	56	56	57	56	39	39	38	38	38
112	<i>L. caesar</i> <sup>(*)</sup>	63	63	63	61	63	65	63	65	61	65	63	63	63	62	62	64	62	62	60	57	57	58	58	58	59	58	38	38	37	37	37
113	<i>L. caesar</i> <sup>(*)</sup>	59	59	59	57	59	61	61	61	59	61	59	59	59	60	58	60	58	58	56	53	53	54	54	54	55	54	40	40	39	39	39
114	<i>L. caesar</i> <sup>(*)</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	61	59	61	59	59	57	54	54	55	55	55	56	55	39	39	38	38	38
115	<i>L. caesar</i> <sup>(*)</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	61	59	61	59	59	57	56	56	57	57	57	58	57	41	41	40	40	40
116	<i>L. caesar</i> <sup>(*)</sup>	61	61	61	59	61	63	61	63	59	63	61	61	61	60	60	62	60	60	58	57	57	58	58	58	59	56	38	38	39	37	37
117	<i>L. caesar</i> <sup>(*)</sup>	62	62	62	60	62	64	62	64	60	64	62	62	62	63	61	63	61	61	59	56	56	57	57	57	58	57	41	41	40	40	40
118	<i>L. caesar</i> <sup>(*)</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	59	59	61	59	59	57	54	54	55	55	55	56	55	38	38	37	37	37
119	<i>L. caesar</i> <sup>(*)</sup>	63	63	63	61	63	65	63	65	61	65	63	63	63	62	62	64	62	62	60	57	57	58	58	58	59	58	41	41	40	40	40
120	<i>L. caesar</i> <sup>(*)</sup>	63	63	63	61	63	65	63	65	61	65	63	61	59	61	64	62	62	60	60	55	55	56	56	56	57	56	42	42	41	41	41
121	<i>L. caesar</i> <sup>(*)</sup>	61	61	61	59	61	63	61	63	59	63	63	61	61	62	60	62	60	60	58	55	55	56	56	56	57	56	40	40	39	39	39
122	<i>L. caesar</i> <sup>(*)</sup>	58	58	58	56	58	60	58	60	56	60	58	58	58	57	57	59	57	57	55	54	54	55	55	55	56	57	37	37	36	36	36
123	<i>L. caesar</i> <sup>(*)</sup>	60	62	62	60	62	64	62	62	60	64	62	62	62	63	61	63	61	59	59	56	56	57	57	57	58	57	41	41	40	40	40
124	<i>L. caesar</i> <sup>(*)</sup>	58	58	58	56	58	60	58	60	56	60	58	58	58	59	57	59	57	57	55	54	54	55	55	55	56	57	39	39	38	38	38

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

**Material suplementario / Supplementary material**

**Table S52. (Continued)**

		32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
125	<i>L. caesar</i> <sup>a</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	61	59	61	59	59	57	54	54	55	55	55	56	57	39	39	38	38	38
126	<i>L. caesar</i> <sup>ak</sup>	58	58	58	56	58	60	60	60	58	60	58	58	58	59	57	59	57	57	55	52	52	53	53	53	54	55	39	39	38	38	38
127	<i>L. caesar</i> <sup>al</sup>	62	62	62	60	62	64	62	64	60	64	62	62	62	63	61	63	61	61	59	56	56	57	57	57	58	57	42	42	41	41	41
128	<i>L. caesar</i> <sup>am</sup>	59	59	59	57	59	61	59	61	57	61	59	59	59	60	58	60	58	58	56	55	55	56	56	56	57	58	40	40	39	39	39
129	<i>L. caesar</i> <sup>an</sup>	61	61	61	59	61	63	61	63	59	63	61	61	61	62	60	62	60	60	58	55	55	56	56	56	57	58	40	40	39	39	39
130	<i>L. caesar</i> <sup>ao</sup>	58	58	58	56	58	60	60	60	58	60	58	58	58	59	57	59	57	57	55	52	52	53	53	53	54	55	37	37	36	36	36
131	<i>L. caesar</i> <sup>ap</sup>	58	58	58	56	58	60	58	60	56	60	58	58	58	59	57	59	57	57	55	52	52	53	53	53	54	55	37	37	36	36	36
132	<i>L. caesar</i> <sup>aq</sup>	58	58	58	56	56	58	58	58	56	58	58	54	56	57	57	57	55	55	57	54	54	55	55	55	56	53	43	43	44	42	42
133	<i>L. illustris</i> <sup>a</sup>	58	58	58	56	56	58	58	58	56	58	58	54	56	57	57	57	55	55	57	54	54	55	55	55	56	53	43	43	44	42	42
134	<i>L. illustris</i> <sup>(a)</sup>	58	58	58	56	56	58	58	58	56	58	58	54	56	57	57	57	55	55	57	54	54	55	55	55	56	53	43	43	44	42	42
135	<i>L. illustris</i> <sup>(b)</sup>	59	59	59	57	57	59	59	59	57	59	59	55	57	58	58	58	56	56	58	55	55	56	56	56	57	54	44	44	45	43	43
136	<i>L. illustris</i> <sup>(c)</sup>	60	60	60	58	58	60	60	60	58	60	60	56	58	59	59	59	57	57	59	54	54	55	55	55	56	53	43	43	44	42	42
137	<i>L. illustris</i> <sup>(d)</sup>	57	57	57	55	55	57	57	57	55	57	57	53	55	56	56	56	54	54	56	53	53	54	54	54	55	54	42	42	43	41	41
138	<i>L. illustris</i> <sup>(e)</sup>	59	59	59	57	57	59	59	59	57	59	59	55	57	58	58	58	56	56	58	55	55	56	56	56	57	54	44	44	45	43	43
139	<i>L. illustris</i> <sup>(f)</sup>	57	57	57	55	55	57	57	57	55	57	57	53	55	56	56	56	54	54	56	55	55	54	54	56	55	54	42	42	43	41	41
140	<i>L. illustris</i> <sup>(g)</sup>	57	57	57	55	55	57	57	57	55	57	57	53	55	56	56	56	54	54	56	53	53	54	54	54	55	52	42	42	43	41	41
141	<i>L. illustris</i> <sup>(h)</sup>	57	57	57	55	57	59	59	59	57	59	59	55	57	56	56	56	56	56	56	53	53	54	54	54	55	52	42	42	43	41	41
142	<i>L. illustris</i> <sup>(i)</sup>	58	58	58	56	56	58	58	58	56	58	58	54	56	57	57	57	55	55	57	54	54	55	55	55	56	53	44	44	45	43	43
143	<i>L. illustris</i> <sup>(j)</sup>	59	59	59	57	57	59	59	59	57	59	59	55	57	58	58	58	56	56	58	55	55	56	56	56	57	54	42	42	43	41	41
144	<i>L. illustris</i> <sup>(k)</sup>	57	57	57	55	55	57	57	57	55	57	57	53	55	56	56	56	54	54	56	53	53	54	54	54	55	54	44	44	43	43	43
145	<i>L. illustris</i> <sup>(l)</sup>	58	58	58	56	56	58	58	58	56	58	58	54	56	57	57	57	55	55	57	54	54	55	55	55	56	53	43	43	44	42	42
146	<i>L. illustris</i> <sup>(m)</sup>	60	60	60	58	58	60	60	60	58	60	60	56	58	59	59	59	57	57	59	54	54	55	55	55	56	53	43	43	44	42	42
147	<i>L. illustris</i> <sup>(n)</sup>	60	60	60	58	58	60	60	60	58	60	60	56	58	59	59	59	57	57	59	54	54	55	55	55	56	53	41	41	42	40	40
148	<i>L. illustris</i> <sup>(o)</sup>	60	60	60	58	58	60	60	60	58	60	60	56	58	59	59	59	57	57	59	56	56	57	57	57	58	55	44	44	45	43	43
149	<i>L. illustris</i> <sup>(p)</sup>	59	59	59	57	57	59	59	59	57	59	59	55	57	58	58	58	56	56	58	55	55	56	56	56	57	54	42	42	43	41	41
150	<i>L. illustris</i> <sup>(q)</sup>	61	61	61	59	59	61	61	61	59	61	61	57	59	60	60	60	58	58	60	55	55	56	56	56	57	54	44	44	45	43	43
151	<i>L. illustris</i> <sup>(r)</sup>	60	60	60	58	58	60	60	60	58	60	60	56	58	59	59	59	57	57	59	54	54	55	55	55	56	53	44	44	45	43	43
152	<i>L. illustris</i> <sup>(s)</sup>	60	60	60	58	60	62	60	62	58	62	60	60	60	61	59	61	59	59	57	54	54	55	55	55	56	55	37	37	36	36	36
153	<i>L. bufonivora</i> <sup>a</sup>	58	58	58	58	60	60	58	59	58	60	58	56	58	57	55	58	59	57	55	53	53	52	52	54	53	36	36	35	35	35	
154	<i>L. bufonivora</i> <sup>a</sup>	58	58	58	58	60	60	58	59	58	60	58	56	58	57	55	58	59	57	55	53	53	52	52	54	53	36	36	35	35	35	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

Material suplementario / Supplementary material

Table S52. (Continued)

		63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93
1	<i>Ch. albiceps</i> <sup>(a)</sup>	8.9	9.1	8.8	9.1	8.8	9.1	8.9	8.9	8.9	7.6	9.3	9.3	9.4	9.4	9.3	9.4	9.4	9.4	9.4	9.4	9.6	9.4	8.8	8.9	9.6	9.3	9.3	9.4	9.4	9.7	9.7
2	<i>Ch. albiceps</i> <sup>(a)</sup>	8.9	9.1	8.8	9.1	8.8	9.1	8.9	8.9	8.9	7.6	9.3	9.3	9.4	9.4	9.3	9.4	9.4	9.4	9.4	9.4	9.6	9.4	8.8	8.9	9.6	9.3	9.3	9.4	9.4	9.7	9.7
3	<i>Ch. albiceps</i> <sup>(b)</sup>	8.8	8.9	8.6	8.9	8.6	8.9	8.8	8.8	8.8	7.8	9.1	9.1	9.3	9.3	9.1	9.3	9.3	9.3	9.3	9.3	9.4	9.3	8.9	9.1	9.7	9.4	9.4	9.6	9.6	9.9	9.9
4	<i>Ch. albiceps</i> <sup>(c)</sup>	8.9	9.1	8.8	9.1	8.8	9.1	8.9	8.9	8.9	7.6	9.3	9.3	9.4	9.4	9.3	9.4	9.4	9.4	9.4	9.4	9.6	9.4	8.8	8.9	9.6	9.3	9.3	9.4	9.4	9.4	9.7
5	<i>C. vicina</i> <sup>(a)</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	9.9	9.9	9.9	10.1	9.7	9.9	10.1	10.1	10.1	10.1	10.2	9.9	9.3	9.4	9.9	9.6	9.6	9.7	9.7	9.7	9.7
6	<i>C. vicina</i> <sup>(a)</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	9.9	9.9	9.9	10.1	9.7	9.9	10.1	10.1	10.1	10.1	10.2	9.9	9.3	9.4	9.9	9.6	9.6	9.7	9.7	9.7	9.7
7	<i>C. vicina</i> <sup>(b)</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.2	10.4	10.1	9.3	9.4	10.1	9.7	9.7	9.9	9.9	9.9
8	<i>C. vicina</i> <sup>(b)</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.3	9.4	10.1	9.7	9.7	9.9	9.9	9.9	9.9
9	<i>C. vicina</i> <sup>(c)</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6
10	<i>C. vicina</i> <sup>(c)</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6
11	<i>C. vicina</i> <sup>(d)</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6
12	<i>C. vicina</i> <sup>(e)</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	8.9	9.9	9.9	9.9	10.1	9.7	9.9	10.1	10.1	10.1	10.1	10.2	9.9	9.4	9.6	9.9	9.6	9.6	9.7	9.7	9.7	9.7
13	<i>C. vicina</i> <sup>(f)</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.3	9.4	9.6	9.3	9.3	9.4	9.4	9.4	9.4
14	<i>C. vicina</i> <sup>(g)</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	9.3	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.4	9.6	10.1	9.7	9.7	9.9	9.9	9.9	9.9
15	<i>C. vicina</i> <sup>(h)</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.1	9.3	10.1	9.7	9.7	9.9	9.9	9.9	9.9
16	<i>C. vicina</i> <sup>(i)</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6
17	<i>C. vicina</i> <sup>(j)</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	9.3	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.4	9.6	10.1	9.7	9.7	9.9	9.9	9.9	9.9
18	<i>C. vicina</i> <sup>(k)</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	9.3	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.4	9.6	10.1	9.7	9.7	9.9	9.9	9.9	9.9
19	<i>C. vicina</i> <sup>(l)</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	9.3	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.4	9.6	10.1	9.7	9.7	9.9	9.9	9.9	9.9
20	<i>C. vicina</i> <sup>(m)</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	9.3	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.4	9.6	10.1	9.7	9.7	9.9	9.9	9.9	9.9
21	<i>C. vicina</i> <sup>(n)</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6
22	<i>C. vicina</i> <sup>(n)</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	8.9	9.9	9.9	9.9	10.1	9.7	9.9	10.1	10.1	10.1	10.1	10.2	9.9	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6
23	<i>C. vicina</i> <sup>(o)</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6
24	<i>C. vicina</i> <sup>(p)</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6
25	<i>C. vicina</i> <sup>(q)</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6
26	<i>C. vicina</i> <sup>(r)</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	9.3	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.4	9.6	9.7	9.4	9.4	9.6	9.6	9.6	9.6
27	<i>C. vicina</i> <sup>(s)</sup>	9.4	9.7	9.4	9.6	9.7	9.6	9.6	9.6	9.6	9.4	10.2	10.2	10.2	10.4	10.1	10.2	10.4	10.4	10.4	10.4	10.6	10.2	9.6	9.7	10.2	9.9	9.9	10.1	10.1	10.1	10.1
28	<i>C. vicina</i> <sup>(t)</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.3	9.4	9.9	9.6	9.6	9.7	9.7	9.7	9.7
29	<i>C. vicina</i> <sup>(u)</sup>	9.1	9.4	9.1	9.3	9.1	9.3	9.3	9.3	9.3	8.8	9.6	9.6	9.6	9.7	9.4	9.6	9.7	9.7	9.7	9.7	9.9	9.6	8.9	9.1	9.9	9.6	9.6	9.7	9.7	10.1	9.7
30	<i>C. vicina</i> <sup>(v)</sup>	8.9	9.3	8.9	9.1	9.3	9.1	8.9	9.1	9.1	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	10.1	9.7	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6	9.6
31	<i>C. vicina</i> <sup>(w)</sup>	9.4	9.7	9.4	9.6	9.7	9.6	9.6	9.6	9.6	9.4	10.2	10.2	10.2	10.4	10.1	10.2	10.4	10.4	10.4	10.4	10.6	10.2	9.6	9.7	10.1	9.7	9.7	9.9	9.9	9.9	9.9

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

**Material suplementario / Supplementary material**

**Table S52. (Continued)**

		63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	
32	<i>C. vicina</i> <sup>a,x</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	9.7	9.7	9.7	9.9	9.9	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.3	9.4	9.9	9.6	9.6	9.7	9.7	9.7	9.7	
33	<i>C. vicina</i> <sup>a,y</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.3	9.4	9.9	9.6	9.6	9.7	9.7	9.7	9.7	
34	<i>C. vicina</i> <sup>a,z</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.3	9.4	9.9	9.6	9.6	9.7	9.7	9.7	9.7	
35	<i>C. vicina</i> <sup>a,aa</sup>	8.8	9.1	8.8	8.9	9.1	8.9	8.9	8.9	8.9	8.8	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	8.9	9.1	9.6	9.3	9.3	9.4	9.4	9.4	9.4	
36	<i>C. vicina</i> <sup>a,ab</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	9.9	9.9	9.9	10.1	9.7	9.9	10.1	10.1	10.1	10.1	10.1	10.2	9.9	9.3	9.4	9.9	9.6	9.6	9.7	9.7	9.7	9.7
37	<i>C. vicina</i> <sup>a,ac</sup>	9.4	9.7	9.4	9.6	9.7	9.6	9.6	9.6	9.6	9.4	10.2	10.2	10.2	10.4	10.1	10.2	10.4	10.4	10.4	10.4	10.6	10.2	9.6	9.7	10.2	9.9	9.9	10.1	10.1	10.1	10.1	
38	<i>C. vicina</i> <sup>a,ad</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	9.9	9.9	9.9	10.1	9.7	9.9	10.1	10.1	10.1	10.1	10.1	10.2	9.9	9.3	9.4	9.9	9.6	9.6	9.7	9.7	9.7	9.7
39	<i>C. vicina</i> <sup>a,ae</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	9.3	9.9	9.9	9.9	10.1	10.1	9.9	10.1	10.1	10.1	10.1	10.2	9.9	9.4	9.6	10.2	9.9	9.9	10.1	10.1	10.1	10.1	10.1
40	<i>C. vicina</i> <sup>a,af</sup>	8.8	9.1	8.8	8.9	9.1	8.9	8.9	8.9	8.9	9.1	9.6	9.6	9.6	9.7	9.4	9.6	9.7	9.7	9.7	9.7	9.9	9.6	9.3	9.4	9.6	9.3	9.3	9.4	9.4	9.4	9.4	
41	<i>C. vicina</i> <sup>a,ag</sup>	9.4	9.7	9.4	9.6	9.7	9.6	9.6	9.6	9.6	9.4	9.9	9.9	9.9	10.1	9.7	9.9	10.1	10.1	10.1	10.1	10.1	10.2	9.9	9.6	9.7	10.2	9.9	9.9	10.1	10.1	10.1	10.1
42	<i>C. vicina</i> <sup>a,ah</sup>	9.4	9.7	9.4	9.6	9.7	9.6	9.6	9.6	9.6	9.4	10.2	10.2	10.2	10.4	10.1	10.2	10.4	10.4	10.4	10.4	10.6	9.9	9.6	9.7	9.9	9.6	9.6	9.7	9.7	9.7	9.7	9.7
43	<i>C. vicina</i> <sup>a,ai</sup>	9.1	9.4	9.1	9.3	9.1	9.3	9.3	9.3	9.3	8.8	9.6	9.6	9.6	9.7	9.4	9.6	9.7	9.7	9.7	9.7	9.9	9.6	8.9	9.1	9.9	9.6	9.6	9.7	9.7	9.7	9.7	9.7
44	<i>C. vicina</i> <sup>a,aj</sup>	9.4	9.7	9.4	9.6	9.7	9.6	9.6	9.6	9.6	9.1	9.9	9.9	9.9	10.1	9.7	9.9	10.1	10.1	10.1	10.1	10.1	10.2	9.9	9.3	9.4	9.9	9.6	9.6	9.7	9.7	9.7	9.7
45	<i>C. vicina</i> <sup>a,ak</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	9.3	10.2	10.2	10.2	10.4	10.1	10.2	10.4	10.4	10.4	10.4	10.6	10.2	9.4	9.6	9.7	9.7	9.9	9.9	9.9	9.6	9.6	
46	<i>C. vicina</i> <sup>a,al</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	8.9	9.9	9.9	9.9	10.1	9.7	9.9	10.1	10.1	10.1	10.1	10.2	9.9	8.8	8.9	9.7	9.4	9.4	9.6	9.6	9.6	9.6	9.6
47	<i>C. vicina</i> <sup>a,am</sup>	9.1	9.4	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.1	10.1	10.1	10.1	10.2	9.9	10.1	10.2	10.2	10.2	10.2	10.4	10.1	9.6	9.7	10.1	9.7	9.7	9.9	9.9	9.9	9.9	9.9
48	<i>C. vicina</i> <sup>a,an</sup>	8.9	9.3	8.9	9.1	9.3	9.1	9.1	9.1	9.1	8.9	9.7	9.7	9.7	9.9	9.6	9.7	9.9	9.9	9.9	9.9	10.1	9.7	9.4	9.6	9.7	9.4	9.4	9.6	9.6	9.6	9.6	9.6
49	<i>C. vicina</i> <sup>a,ao</sup>	9.3	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.4	8.9	9.4	9.4	9.4	9.6	9.6	9.4	9.6	9.6	9.6	9.6	9.7	9.4	9.1	9.3	9.7	9.4	9.4	9.6	9.6	9.6	9.6	9.6
50	<i>C. vicina</i> <sup>a,ap</sup>	8.6	8.9	8.6	8.8	8.9	8.8	8.8	8.8	8.8	8.6	9.6	9.6	9.6	9.7	9.4	9.6	9.7	9.7	9.7	9.7	9.9	9.6	8.8	8.9	9.4	9.1	9.1	9.3	9.3	9.3	9.3	9.3
51	<i>C. vomitoria</i> <sup>a,q</sup>	8.4	8.4	8.4	8.6	8.4	8.8	8.8	8.3	8.6	7.5	8.4	8.4	8.4	8.6	8.3	8.4	8.6	8.6	8.6	8.6	8.6	8.6	8.4	8.6	8.8	8.9	8.6	8.6	8.8	8.8	9.1	9.1
52	<i>C. vomitoria</i> <sup>a,ra</sup>	8.4	8.4	8.4	8.6	8.4	8.8	8.8	8.3	8.6	7.5	8.4	8.4	8.4	8.6	8.3	8.4	8.6	8.6	8.6	8.6	8.6	8.6	8.4	8.6	8.8	8.9	8.6	8.6	8.8	8.8	9.1	9.1
53	<i>C. vomitoria</i> <sup>a,rb</sup>	8.3	8.3	8.3	8.4	8.3	8.6	8.6	8.1	8.4	7.3	8.6	8.6	8.6	8.8	8.4	8.6	8.8	8.8	8.8	8.8	8.8	8.8	8.6	8.4	8.6	9.1	8.8	8.8	8.9	8.9	9.3	9.3
54	<i>C. vomitoria</i> <sup>a,rc</sup>	8.3	8.3	8.3	8.4	8.3	8.6	8.6	8.1	8.4	7.3	8.6	8.6	8.6	8.8	8.4	8.6	8.8	8.8	8.8	8.8	8.8	8.8	8.6	8.4	8.6	9.1	8.8	8.8	8.9	8.9	9.3	9.3
55	<i>C. vomitoria</i> <sup>a,rd</sup>	8.6	8.6	8.6	8.8	8.6	8.9	8.9	8.4	8.8	7.6	8.6	8.6	8.6	8.8	8.4	8.6	8.8	8.8	8.8	8.8	8.8	8.8	8.6	8.8	8.9	9.1	8.8	8.8	8.9	8.9	9.3	9.3
56	<i>C. vomitoria</i> <sup>a,re</sup>	8.4	8.4	8.4	8.6	8.4	8.8	8.8	8.3	8.6	7.5	8.8	8.8	8.8	8.9	8.6	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.8	8.6	8.8	9.3	8.9	8.9	9.1	9.1	9.4	9.4
57	<i>C. vomitoria</i> <sup>a,rf</sup>	8.6	8.9	8.6	8.8	8.6	8.8	8.8	8.8	9.1	7.6	8.6	8.6	8.6	8.8	8.4	8.6	8.8	8.8	8.8	8.8	8.8	8.9	8.9	8.4	8.6	9.1	9.1	9.1	8.9	8.9	9.3	9.3
58	<i>L. sericata</i> <sup>a,rg</sup>	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	3.4	7.0	7.0	7.0	7.1	6.8	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	4.2	4.4	6.2	6.2	6.2	6.3	6.3	6.3	6.3
59	<i>L. sericata</i> <sup>a,rh</sup>	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	3.4	7.0	7.0	7.0	7.1	6.8	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	4.2	4.4	6.2	6.2	6.2	6.3	6.3	6.3	6.3
60	<i>L. sericata</i> <sup>a,ri</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	3.6	6.8	6.8	6.8	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.8	4.4	4.5	6.0	6.0	6.0	6.2	6.2	6.2	6.2
61	<i>L. sericata</i> <sup>a,rj</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	3.2	6.8	6.8	6.8	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.8	4.1	4.2	6.0	6.0	6.0	6.2	6.2	6.2	6.2	6.2
62	<i>L. sericata</i> <sup>a,rk</sup>	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	3.2	7.1	7.1	7.1	7.3	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.1	4.1	4.2	6.0	6.0	6.0	6.2	6.2	6.2	6.2

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

*Material suplementario / Supplementary material*

**Table S52. (Continued)**

	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	
63	<i>L. sericata</i> <sup>a</sup>	—	0.3	0.3	0.3	0.3	0.5	0.5	0.5	3.2	6.8	6.8	6.8	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.8	4.4	4.5	6.0	6.0	6.0	6.2	6.2	6.2	6.2	
64	<i>L. sericata</i> <sup>a</sup>	2	—	0.3	0.3	0.3	0.5	0.2	0.5	3.6	6.8	6.8	6.8	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.8	4.4	4.5	6.0	6.0	6.0	6.2	6.2	6.2	6.2	
65	<i>L. sericata</i> <sup>a</sup>	2	2	—	0.3	0.3	0.3	0.5	0.2	0.5	3.6	6.8	6.8	6.8	7.0	6.7	7.0	7.0	7.0	7.0	7.0	6.8	4.4	4.5	6.0	6.0	6.0	6.2	6.2	6.2	6.2	
66	<i>L. sericata</i> <sup>h</sup>	2	2	2	—	0.3	0.3	0.5	0.5	3.6	7.1	7.1	7.1	7.3	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.1	4.4	4.5	6.3	6.3	6.3	6.5	6.5	6.5	6.5	
67	<i>L. sericata</i>	2	2	2	2	—	0.3	0.5	0.5	3.2	6.8	6.8	6.8	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.8	4.1	4.2	6.3	6.3	6.3	6.5	6.5	6.5	6.5	
68	<i>L. sericata</i>	2	2	2	2	—	0.2	0.5	0.5	3.6	7.1	7.1	7.1	7.3	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.1	4.4	4.5	6.3	6.3	6.3	6.5	6.5	6.5	6.5	
69	<i>L. sericata</i> <sup>k</sup>	3	3	3	3	3	1	—	0.6	0.6	3.7	7.3	7.3	7.3	7.5	7.1	7.5	7.5	7.5	7.5	7.5	7.3	4.5	4.7	6.5	6.5	6.5	6.7	6.7	6.7	6.7	
70	<i>L. sericata</i> <sup>l</sup>	3	1	1	3	3	3	4	—	0.6	3.7	6.7	6.7	6.7	6.8	6.5	6.8	6.8	6.8	6.8	6.8	6.8	6.7	4.5	4.7	5.8	5.8	5.8	6.0	6.0	6.0	6.0
71	<i>L. sericata</i> <sup>n</sup>	3	3	3	3	3	4	4	—	3.4	7.0	7.0	7.1	6.8	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	4.2	4.4	6.2	6.2	6.3	6.3	6.3	6.3	
72	<i>L. richardsi</i> <sup>o</sup>	20	22	22	22	20	22	23	23	21	—	6.5	6.5	6.5	6.7	6.3	6.7	6.7	6.7	6.7	6.7	6.5	2.1	2.3	6.3	6.3	6.2	6.2	6.2	6.5	6.5	
73	<i>L. ampullacea</i> <sup>q</sup>	42	42	42	44	42	44	45	41	43	40	—	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.6	7.6	7.8	6.2	6.2	6.2	6.0	6.0	6.3	6.0
74	<i>L. ampullacea</i> <sup>r</sup>	42	42	42	44	42	44	45	41	43	40	0	—	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.6	7.6	7.8	6.2	6.2	6.2	6.0	6.0	6.3	6.0
75	<i>L. ampullacea</i> <sup>s</sup>	42	42	42	44	42	44	45	41	43	40	1	1	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8	7.6	7.8	6.0	6.0	6.0	5.8	5.8	6.2	5.8
76	<i>L. ampullacea</i> <sup>t</sup>	43	43	43	45	43	45	46	42	44	41	1	1	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.5	7.8	8.0	6.3	6.0	6.0	6.2	6.2	6.5	6.2
77	<i>L. ampullacea</i> <sup>u</sup>	41	41	41	43	41	43	44	40	42	39	1	1	2	2	—	0.3	0.3	0.3	0.3	0.3	0.5	0.8	7.5	7.6	6.0	6.0	6.0	5.8	5.8	6.2	5.8
78	<i>L. ampullacea</i> <sup>v</sup>	43	43	43	45	43	45	46	42	44	41	1	1	2	2	—	0.3	0.3	0.3	0.3	0.3	0.5	0.8	7.8	8.0	6.3	6.3	6.3	6.2	6.2	6.5	6.2
79	<i>L. ampullacea</i> <sup>w</sup>	43	43	43	45	43	45	46	42	44	41	1	1	2	2	2	—	0.3	0.3	0.3	0.3	0.5	0.8	7.8	8.0	6.0	6.3	6.3	5.8	5.8	6.2	5.8
80	<i>L. ampullacea</i> <sup>x</sup>	43	43	43	45	43	45	46	42	44	41	1	1	2	2	2	—	0.3	0.3	0.3	0.3	0.5	0.8	7.8	8.0	6.3	6.3	6.3	6.2	6.2	6.5	6.2
81	<i>L. ampullacea</i> <sup>y</sup>	43	43	43	45	43	45	46	42	44	41	1	1	2	2	2	2	—	0.3	0.5	0.8	7.8	8.0	6.3	6.3	6.3	6.2	6.2	6.5	6.2	6.2	
82	<i>L. ampullacea</i> <sup>z</sup>	43	43	43	45	43	45	46	42	44	41	1	1	2	2	2	2	—	0.5	0.8	7.8	8.0	6.3	6.3	6.3	6.2	6.2	6.2	6.5	6.2	6.2	
83	<i>L. ampullacea</i> <sup>aa</sup>	43	43	43	45	43	45	46	42	44	41	2	2	3	1	3	3	3	3	3	3	—	0.6	7.8	8.0	6.5	6.2	6.2	6.3	6.3	6.7	6.3
84	<i>L. ampullacea</i> <sup>ab</sup>	42	42	42	44	42	44	45	41	43	40	4	4	5	3	5	5	5	5	5	4	—	7.6	7.8	6.2	5.8	5.8	6.0	6.0	6.3	6.0	
85	<i>L. silvarum</i> <sup>ac</sup>	27	27	27	27	25	27	28	28	26	13	47	47	47	48	46	48	48	48	48	48	47	—	0.2	7.5	7.5	7.5	7.3	7.3	7.6	7.6	
86	<i>L. silvarum</i> <sup>ad</sup>	28	28	28	28	26	28	29	29	27	14	48	48	48	49	47	49	49	49	49	49	48	1	—	7.6	7.6	7.6	7.5	7.5	7.8	7.8	
87	<i>L. caesar</i> <sup>ae</sup>	37	37	37	39	39	39	40	36	38	39	38	38	37	39	37	39	37	39	39	39	40	38	46	47	—	1.0	1.0	0.2	0.2	0.2	0.2
88	<i>L. caesar</i> <sup>af</sup>	37	37	37	39	39	39	40	36	38	39	38	38	37	37	37	39	39	39	39	39	38	36	46	47	6	—	0.0	0.8	0.8	1.1	1.1
89	<i>L. caesar</i> <sup>ag</sup>	37	37	37	39	39	39	40	36	38	39	38	38	37	37	39	39	39	39	39	39	38	36	46	47	6	0	—	0.8	0.8	1.1	1.1
90	<i>L. caesar</i> <sup>ah</sup>	38	38	38	40	40	40	41	37	39	38	37	37	36	38	36	38	38	38	38	38	39	37	45	46	1	5	5	—	0.0	0.3	0.3
91	<i>L. caesar</i> <sup>ai</sup>	38	38	38	40	40	40	41	37	39	38	37	37	36	38	36	38	38	38	38	39	37	45	46	1	5	5	0	—	0.3	0.3	0.3
92	<i>L. caesar</i> <sup>aj</sup>	38	38	38	40	40	40	41	37	39	40	39	38	40	38	40	38	40	40	40	41	39	47	48	1	7	7	2	2	—	0.3	0.3
93	<i>L. caesar</i> <sup>ak</sup>	38	38	38	40	40	40	41	37	39	40	37	37	36	38	38	36	38	38	38	39	37	47	48	1	7	7	2	2	2	—	—

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX; <sup>j</sup>Haplotype HX; <sup>k</sup>Haplotype HXI; <sup>l</sup>Haplotype HXII; <sup>m</sup>Haplotype HXIII; <sup>n</sup>Haplotype HXIV; <sup>o</sup>Haplotype HXV; <sup>p</sup>Haplotype HXVI; <sup>q</sup>Haplotype HXVII; <sup>r</sup>Haplotype HXVIII; <sup>s</sup>Haplotype HXIX; <sup>t</sup>Haplotype HXX; <sup>u</sup>Haplotype HXXI; <sup>v</sup>Haplotype HXXII; <sup>w</sup>Haplotype HXXIII; <sup>x</sup>Haplotype HXXIV; <sup>y</sup>Haplotype HXXV; <sup>z</sup>Haplotype HXXVI; <sup>aa</sup>Haplotype HXXVII; <sup>ab</sup>Haplotype HXXVIII; <sup>ac</sup>Haplotype HXXIX; <sup>ad</sup>Haplotype HXXX; <sup>ae</sup>Haplotype HXXXI; <sup>af</sup>Haplotype HXXXII; <sup>ag</sup>Haplotype HXXXIII; <sup>ah</sup>Haplotype HXXXIV; <sup>ai</sup>Haplotype HXXXV; <sup>aj</sup>Haplotype HXXXVI; <sup>ak</sup>Haplotype HXXXVII; <sup>al</sup>Haplotype HXXXVIII; <sup>am</sup>Haplotype HXXXIX; <sup>an</sup>Haplotype HXXXX; <sup>ao</sup>Haplotype HXXXXI; <sup>ap</sup>Haplotype HXXXXII; <sup>aq</sup>Haplotype HXXXXIII.

*Material suplementario / Supplementary material*

**Table S52.** (Continued)

		63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93
94	<i>L. caesar</i> <sup>(h)</sup>	36	36	36	38	38	38	39	35	37	40	39	39	38	40	38	40	38	40	40	40	41	39	47	48	1	7	7	2	2	2	2
95	<i>L. caesar</i> <sup>(i)</sup>	36	36	36	38	38	38	39	35	37	40	39	39	38	40	38	40	40	40	40	40	41	39	47	48	7	3	3	6	6	8	8
96	<i>L. caesar</i> <sup>(j)</sup>	41	41	41	43	41	43	44	40	42	41	34	34	35	35	33	35	35	35	35	35	36	34	46	47	17	17	17	18	18	16	16
97	<i>L. caesar</i> <sup>(k)</sup>	38	38	38	40	40	40	41	37	39	40	39	39	38	40	38	40	38	40	40	40	41	39	47	48	1	7	7	2	2	2	2
98	<i>L. caesar</i> <sup>(l)</sup>	37	37	37	39	39	39	40	36	38	39	37	37	38	38	36	38	36	38	38	38	39	37	46	47	1	7	7	2	2	2	2
99	<i>L. caesar</i> <sup>(m)</sup>	38	38	38	40	40	40	41	37	39	40	37	37	36	38	36	38	36	38	38	38	39	37	47	48	1	7	7	2	2	2	2
100	<i>L. caesar</i> <sup>(n)</sup>	36	36	36	38	38	38	39	35	37	38	37	37	36	38	36	38	36	38	38	38	39	37	45	46	1	7	7	2	2	2	2
101	<i>L. caesar</i> <sup>(o)</sup>	38	38	38	40	40	40	41	37	39	40	39	39	38	40	38	40	38	40	40	40	41	39	47	48	1	7	7	2	2	2	2
102	<i>L. caesar</i> <sup>(p)</sup>	38	38	38	40	40	40	41	37	39	40	37	37	36	38	38	38	36	38	38	38	39	37	47	48	1	7	7	2	2	2	2
103	<i>L. caesar</i> <sup>(q)</sup>	38	38	38	40	40	40	41	37	39	40	39	39	38	40	38	40	38	40	40	40	41	39	47	48	1	7	7	2	2	2	2
104	<i>L. caesar</i> <sup>(r)</sup>	38	38	38	40	40	40	41	37	39	40	37	37	36	38	36	38	36	38	38	38	39	39	47	48	1	7	7	2	2	2	2
105	<i>L. caesar</i> <sup>(s)</sup>	38	38	38	40	40	40	41	37	39	40	39	39	38	40	38	40	38	40	40	40	41	39	47	48	1	7	7	2	2	2	2
106	<i>L. caesar</i> <sup>(t)</sup>	38	38	38	40	40	40	41	37	39	40	39	39	38	40	38	40	38	40	40	40	41	39	47	48	1	7	7	2	2	2	2
107	<i>L. caesar</i> <sup>(u)</sup>	36	36	36	38	38	38	39	35	37	38	39	39	38	40	38	40	38	40	40	40	41	39	45	46	1	7	7	2	2	2	2
108	<i>L. caesar</i> <sup>(v)</sup>	39	39	39	41	41	41	42	38	40	39	38	38	37	37	37	39	37	39	39	39	38	36	46	47	2	4	4	1	1	3	3
109	<i>L. caesar</i> <sup>(w)</sup>	39	39	39	41	41	41	42	38	40	39	38	38	37	37	37	39	37	39	39	39	38	36	46	47	2	4	4	1	1	3	3
110	<i>L. caesar</i> <sup>(x)</sup>	37	37	37	39	39	39	40	36	38	39	37	37	36	38	36	38	38	38	38	38	39	37	46	47	2	6	6	3	3	3	3
111	<i>L. caesar</i> <sup>(y)</sup>	38	38	38	40	40	40	41	37	39	40	38	38	39	39	37	39	37	39	39	39	40	38	47	48	2	8	8	3	3	3	3
112	<i>L. caesar</i> <sup>(z)</sup>	37	37	37	39	39	39	40	36	38	41	40	40	39	41	39	41	39	39	41	41	42	40	48	49	2	8	8	3	3	3	3
113	<i>L. caesar</i> <sup>(aa)</sup>	39	39	39	41	41	41	42	38	40	39	38	38	37	39	37	39	37	39	39	39	40	38	46	47	2	6	6	1	1	3	3
114	<i>L. caesar</i> <sup>(ab)</sup>	38	38	38	40	40	40	41	37	39	38	36	36	37	37	35	37	35	37	37	37	38	36	45	46	2	6	6	1	1	3	3
115	<i>L. caesar</i> <sup>(ac)</sup>	40	40	40	42	42	42	43	39	41	40	39	39	38	38	38	40	38	40	40	40	39	37	47	48	3	5	5	2	2	2	4
116	<i>L. caesar</i> <sup>(ad)</sup>	37	37	37	39	39	39	40	36	38	39	39	39	40	40	38	40	38	40	40	40	41	39	46	47	3	9	9	4	4	2	4
117	<i>L. caesar</i> <sup>(ae)</sup>	40	40	40	42	42	42	43	39	41	40	39	39	38	38	38	40	38	40	40	40	39	37	47	46	3	5	5	2	2	4	4
118	<i>L. caesar</i> <sup>(af)</sup>	37	37	37	39	39	39	40	36	38	39	37	37	38	38	36	38	38	38	38	38	39	37	46	47	3	7	7	4	4	4	4
119	<i>L. caesar</i> <sup>(ag)</sup>	40	40	40	42	42	42	43	39	41	42	40	40	41	41	39	41	39	41	41	41	42	40	49	50	4	8	8	5	5	5	5
120	<i>L. caesar</i> <sup>(ah)</sup>	41	41	41	43	41	43	44	40	42	39	37	37	36	36	36	38	36	38	38	38	37	35	46	47	4	6	6	3	3	5	5
121	<i>L. caesar</i> <sup>(ai)</sup>	39	39	39	41	41	41	42	38	40	39	38	38	37	37	37	39	37	39	39	39	38	36	46	47	4	4	4	3	3	5	5
122	<i>L. caesar</i> <sup>(aj)</sup>	36	36	36	38	38	38	39	35	37	40	39	39	38	40	38	40	40	40	40	40	41	39	47	48	5	3	3	6	6	4	6
123	<i>L. caesar</i> <sup>(ak)</sup>	40	40	40	42	42	42	43	39	41	40	37	37	36	36	38	38	38	38	38	38	37	35	47	48	5	5	5	4	4	6	6
124	<i>L. caesar</i> <sup>(al)</sup>	38	38	38	40	40	40	41	37	39	40	39	39	38	38	38	40	40	40	40	40	39	37	47	48	7	1	1	6	6	8	8

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

*Material suplementario / Supplementary material*

**Table S52.** (Continued)

	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93
125	<i>L. caesar</i> <sup>a</sup>	38	38	38	40	40	40	41	37	39	40	39	38	38	38	40	40	40	40	39	37	47	48	7	1	1	6	6	8	8	
126	<i>L. caesar</i> <sup>ak</sup>	38	38	38	40	40	40	41	37	39	40	39	38	38	38	40	40	40	40	39	37	47	48	7	1	1	6	6	8	8	
127	<i>L. caesar</i> <sup>al</sup>	41	41	41	43	43	43	44	40	42	41	39	39	40	38	38	40	40	40	39	37	48	49	7	5	5	6	6	8	8	
128	<i>L. caesar</i> <sup>am</sup>	39	39	39	41	41	41	42	38	40	41	38	38	37	37	39	39	39	39	38	36	48	49	8	2	2	7	7	9	7	
129	<i>L. caesar</i> <sup>an</sup>	39	39	39	41	41	41	42	38	40	41	38	38	37	37	39	39	39	39	38	36	48	49	8	2	2	7	7	9	9	
130	<i>L. caesar</i> <sup>ao</sup>	36	36	36	38	38	38	39	35	37	40	38	38	39	39	37	39	39	39	40	38	47	48	8	4	4	7	7	9	9	
131	<i>L. caesar</i> <sup>ap</sup>	36	36	36	38	38	38	39	35	37	38	36	36	37	35	35	37	37	37	37	36	34	45	46	8	2	2	7	7	9	9
132	<i>L. caesar</i> <sup>aq</sup>	42	42	42	44	42	44	45	41	43	40	33	33	34	34	32	34	34	34	34	35	33	45	46	16	18	18	17	17	15	15
133	<i>L. illustris</i> <sup>a</sup>	42	42	42	44	42	44	45	41	43	40	33	33	34	34	32	34	34	34	34	35	33	45	46	16	18	18	17	17	15	15
134	<i>L. illustris</i> <sup>a</sup>	42	42	42	44	42	44	45	41	43	40	33	33	34	34	32	34	34	34	34	35	33	45	46	16	18	18	17	17	15	15
135	<i>L. illustris</i> <sup>a</sup>	43	43	43	45	43	45	46	42	44	41	34	34	35	35	33	35	33	35	35	36	34	46	47	15	19	19	16	16	14	14
136	<i>L. illustris</i> <sup>a</sup>	42	42	42	44	42	44	45	41	43	40	35	35	36	36	34	36	36	36	36	37	35	45	46	16	18	18	17	17	15	15
137	<i>L. illustris</i> <sup>d</sup>	41	41	41	43	41	43	44	40	42	41	34	34	35	35	33	35	35	35	35	36	34	46	47	17	17	17	18	18	16	16
138	<i>L. illustris</i> <sup>e</sup>	43	43	43	45	43	45	46	42	44	41	34	34	35	35	33	35	35	35	35	36	34	46	47	17	19	19	18	18	16	16
139	<i>L. illustris</i> <sup>f</sup>	41	41	41	43	41	43	44	40	42	39	34	34	35	35	33	35	35	35	35	36	34	44	45	17	19	19	18	18	16	16
140	<i>L. illustris</i> <sup>g</sup>	41	41	41	43	41	43	44	40	42	39	32	32	33	33	31	33	33	33	33	34	32	44	45	17	19	19	18	18	16	16
141	<i>L. illustris</i> <sup>h</sup>	41	41	41	43	41	43	44	40	42	39	33	33	34	34	32	34	34	34	34	35	33	44	45	15	17	17	16	16	14	14
142	<i>L. illustris</i> <sup>i</sup>	43	43	43	43	43	45	46	42	44	41	34	34	35	35	33	35	35	35	35	36	34	46	47	17	19	19	18	18	16	16
143	<i>L. illustris</i> <sup>j</sup>	41	41	41	43	41	43	44	40	42	41	34	34	35	35	33	35	35	35	35	36	34	46	47	14	17	17	15	15	13	13
144	<i>L. illustris</i> <sup>k</sup>	43	43	43	45	43	45	46	42	44	41	32	32	33	33	31	33	33	33	33	34	32	46	47	15	17	17	16	16	14	14
145	<i>L. illustris</i> <sup>l</sup>	42	42	42	44	42	44	45	41	43	40	35	35	36	36	34	36	36	36	36	37	35	45	46	16	18	18	17	17	15	15
146	<i>L. illustris</i> <sup>m</sup>	42	42	42	44	42	44	45	41	43	40	35	35	36	36	34	36	36	36	36	37	35	45	46	16	18	18	17	17	15	15
147	<i>L. illustris</i> <sup>n</sup>	40	40	40	42	40	42	43	39	41	40	35	35	36	36	34	36	36	36	36	37	35	45	46	14	16	16	15	15	13	15
148	<i>L. illustris</i> <sup>o</sup>	43	43	43	45	43	45	46	42	44	41	35	35	36	36	34	36	36	36	36	37	35	46	47	16	20	20	17	17	15	15
149	<i>L. illustris</i> <sup>p</sup>	41	41	41	43	41	43	44	40	42	41	36	36	37	37	35	37	37	37	37	38	36	46	47	15	17	17	16	16	14	14
150	<i>L. illustris</i> <sup>q</sup>	43	43	43	45	43	45	46	42	44	41	36	36	37	37	35	37	37	37	37	38	36	46	47	17	19	19	18	18	16	18
151	<i>L. illustris</i> <sup>r</sup>	43	43	43	45	43	45	46	42	44	41	36	36	37	37	35	37	37	37	37	38	36	46	47	17	19	19	18	18	16	18
152	<i>L. illustris</i> <sup>s</sup>	36	36	36	38	38	38	39	35	39	40	39	39	38	38	38	40	40	40	40	39	37	47	48	7	1	1	6	6	8	8
153	<i>L. bufonivora</i> <sup>a</sup>	35	37	35	37	35	37	38	36	36	31	52	52	52	53	51	53	51	53	53	53	52	38	39	43	47	47	44	44	42	44
154	<i>L. bufonivora</i> <sup>a</sup>	35	37	35	37	35	37	38	36	36	31	52	52	52	53	51	53	51	53	53	53	52	38	39	43	47	47	44	44	42	44

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.



**Material suplementario / Supplementary material**

**Table S52.** (Continued)

		94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
1	<i>Ch. albiceps</i> <sup>a)</sup>	9.4	8.8	9.4	9.7	9.4	9.4	9.4	9.7	9.6	9.7	9.7	9.7	9.7	9.4	9.6	9.6	9.6	9.6	9.6	9.3	9.3	9.7	9.7	9.7	9.4	9.9	9.6	9.6	9.4	9.6	9.4
2	<i>Ch. albiceps</i> <sup>a)</sup>	9.4	8.8	9.4	9.7	9.4	9.4	9.4	9.7	9.6	9.7	9.7	9.7	9.7	9.4	9.6	9.6	9.6	9.6	9.6	9.3	9.3	9.7	9.7	9.7	9.4	9.9	9.6	9.6	9.4	9.6	9.4
3	<i>Ch. albiceps</i> <sup>b)</sup>	9.6	8.9	9.6	9.9	9.6	9.6	9.6	9.9	9.7	9.9	9.9	9.9	9.9	9.6	9.7	9.7	9.7	9.7	9.7	9.4	9.4	9.9	9.9	9.9	9.6	10.1	9.7	9.7	9.6	9.7	9.6
4	<i>Ch. albiceps</i> <sup>c)</sup>	9.4	8.8	9.1	9.7	9.4	9.4	9.4	9.7	9.6	9.7	9.7	9.7	9.7	9.4	9.6	9.6	9.6	9.6	9.6	9.3	9.3	9.4	9.4	9.7	9.4	9.9	9.6	9.6	9.1	9.6	9.4
5	<i>C. vicina</i> <sup>a)</sup>	10.1	9.4	8.9	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.6	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	9.9	9.9	9.4	10.1	9.4
6	<i>C. vicina</i> <sup>a)</sup>	10.1	9.4	8.9	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.6	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	9.9	9.9	9.4	10.1	9.4
7	<i>C. vicina</i> <sup>b)</sup>	10.2	9.6	9.1	9.9	10.1	9.9	9.9	10.2	10.2	10.2	10.2	10.1	10.2	9.9	10.1	10.1	9.7	10.1	10.4	9.7	9.9	9.9	10.1	10.2	9.9	10.4	10.1	10.1	9.6	10.2	9.6
8	<i>C. vicina</i> <sup>b)</sup>	10.2	9.6	9.1	9.9	10.1	9.9	9.9	10.2	10.2	10.2	10.2	10.1	10.2	9.9	10.1	10.1	9.7	10.1	10.4	9.7	9.9	9.9	10.1	10.2	9.9	10.4	10.1	10.1	9.6	10.2	9.6
9	<i>C. vicina</i> <sup>c)</sup>	9.9	9.3	8.8	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	9.7	9.7	9.3	9.9	9.3
10	<i>C. vicina</i> <sup>c)</sup>	9.9	9.3	8.8	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	9.7	9.7	9.3	9.9	9.3
11	<i>C. vicina</i> <sup>d)</sup>	9.9	9.3	8.8	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	9.7	9.7	9.3	9.9	9.3
12	<i>C. vicina</i> <sup>e)</sup>	10.1	9.4	8.9	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.6	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	9.9	9.9	9.4	10.1	9.4
13	<i>C. vicina</i> <sup>f)</sup>	9.7	9.1	9.3	9.4	9.6	9.4	9.4	9.7	9.7	9.7	9.7	9.6	9.7	9.4	9.6	9.6	9.6	9.6	9.9	10.3	9.4	9.4	9.6	9.7	9.4	9.9	9.9	9.9	9.1	9.7	9.1
14	<i>C. vicina</i> <sup>g)</sup>	10.2	9.6	9.1	9.9	10.1	9.9	9.9	10.2	10.2	10.2	10.2	10.1	10.2	9.9	10.1	10.1	9.7	10.1	10.4	9.7	9.9	9.9	10.1	10.2	9.9	10.4	10.1	10.1	9.6	10.2	9.6
15	<i>C. vicina</i> <sup>h)</sup>	10.2	9.6	9.1	9.9	10.1	9.9	9.9	10.2	10.2	10.2	10.2	10.1	10.2	9.9	10.1	10.1	9.7	10.1	10.4	9.7	9.9	9.9	10.1	10.2	9.9	10.4	10.1	10.1	9.6	10.2	9.6
16	<i>C. vicina</i> <sup>i)</sup>	9.9	9.6	9.1	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.7	9.6	9.6	9.7	9.9	9.6	10.1	9.7	9.7	9.3	9.9	9.3
17	<i>C. vicina</i> <sup>j)</sup>	10.2	9.6	9.1	9.9	10.1	9.9	9.9	10.2	10.2	10.2	10.2	10.1	10.2	9.9	10.1	10.1	9.7	10.1	10.4	9.7	9.9	9.9	10.1	10.2	9.9	10.4	10.1	10.1	9.6	10.2	9.6
18	<i>C. vicina</i> <sup>k)</sup>	10.2	9.6	9.1	9.9	10.1	9.9	9.9	10.2	10.2	10.2	10.2	10.1	10.2	9.9	10.1	10.1	9.7	10.1	10.4	9.7	9.9	9.9	10.1	10.2	9.9	10.4	10.1	10.1	9.6	10.2	9.6
19	<i>C. vicina</i> <sup>k)</sup>	10.2	9.6	9.1	9.9	10.1	9.9	9.9	10.2	10.2	10.2	10.2	10.1	10.2	9.9	10.1	10.1	9.7	10.1	10.4	9.7	9.9	9.9	10.1	10.2	9.9	10.4	10.1	10.1	9.6	10.2	9.6
20	<i>C. vicina</i> <sup>l)</sup>	10.2	9.6	9.1	9.9	10.1	9.9	9.9	10.2	10.2	10.2	10.2	10.1	10.2	9.9	10.1	10.1	9.7	10.1	10.4	9.7	9.9	9.9	10.1	10.2	9.9	10.4	10.1	10.1	9.6	10.2	9.6
21	<i>C. vicina</i> <sup>m)</sup>	9.9	9.3	8.8	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	9.7	9.7	9.3	9.9	9.3
22	<i>C. vicina</i> <sup>n)</sup>	9.9	9.3	9.1	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.7	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	10.1	9.7	9.3	9.9	9.3
23	<i>C. vicina</i> <sup>o)</sup>	9.9	9.3	9.1	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.9	10.1	9.9	9.6	10.1	9.7	9.7	9.6	9.9	9.3
24	<i>C. vicina</i> <sup>p)</sup>	9.9	9.3	8.8	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	9.7	9.7	9.3	9.9	9.3
25	<i>C. vicina</i> <sup>q)</sup>	9.9	9.3	8.8	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	9.7	9.7	9.3	9.9	9.3
26	<i>C. vicina</i> <sup>r)</sup>	9.9	9.3	9.1	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	9.7	10.1	9.3	9.9	9.3
27	<i>C. vicina</i> <sup>s)</sup>	10.4	9.7	9.3	10.1	10.2	10.1	10.1	10.4	10.4	10.4	10.4	10.2	10.4	10.1	10.2	10.2	9.9	10.2	10.6	9.9	10.1	10.1	10.2	10.4	10.1	10.6	10.2	10.2	9.7	10.4	9.7
28	<i>C. vicina</i> <sup>t)</sup>	10.1	9.4	9.3	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.9	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	10.2	9.9	9.4	10.1	9.4
29	<i>C. vicina</i> <sup>u)</sup>	10.1	9.4	8.9	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.6	9.9	10.2	9.6	9.7	10.1	10.2	10.1	9.7	10.2	9.6	9.9	9.7	10.1	9.4
30	<i>C. vicina</i> <sup>v)</sup>	9.9	9.3	8.8	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	9.7	9.7	9.3	9.9	9.3
31	<i>C. vicina</i> <sup>w)</sup>	10.2	9.6	9.1	9.9	10.1	9.9	9.9	10.2	10.2	10.2	10.2	10.1	10.2	9.9	10.1	10.1	9.7	10.1	10.4	9.7	9.9	9.9	10.1	10.2	9.9	10.4	10.1	10.1	9.6	10.2	9.6

<sup>a)</sup> Haplotype HI; <sup>b)</sup> Haplotype HII; <sup>c)</sup> Haplotype HIII; <sup>d)</sup> Haplotype HIV; <sup>e)</sup> Haplotype HV; <sup>f)</sup> Haplotype HVI; <sup>g)</sup> Haplotype HVII; <sup>h)</sup> Haplotype HVIII; <sup>i)</sup> Haplotype HIX; <sup>j)</sup> Haplotype HX; <sup>k)</sup> Haplotype HXI; <sup>l)</sup> Haplotype HXII; <sup>m)</sup> Haplotype HXIII; <sup>n)</sup> Haplotype HXIV; <sup>o)</sup> Haplotype HXV; <sup>p)</sup> Haplotype HXVI; <sup>q)</sup> Haplotype HXVII; <sup>r)</sup> Haplotype HXVIII; <sup>s)</sup> Haplotype HXIX; <sup>t)</sup> Haplotype HXX; <sup>u)</sup> Haplotype HXXI; <sup>v)</sup> Haplotype HXXII; <sup>w)</sup> Haplotype HXXIII; <sup>x)</sup> Haplotype HXXIV; <sup>y)</sup> Haplotype HXXV; <sup>z)</sup> Haplotype HXXVI; <sup>aa)</sup> Haplotype HXXVII; <sup>ab)</sup> Haplotype HXXVIII; <sup>ac)</sup> Haplotype HXXIX; <sup>ad)</sup> Haplotype HXXX; <sup>ae)</sup> Haplotype HXXXI; <sup>af)</sup> Haplotype HXXXII; <sup>ag)</sup> Haplotype HXXXIII; <sup>ah)</sup> Haplotype HXXXIV; <sup>ai)</sup> Haplotype HXXXV; <sup>aj)</sup> Haplotype HXXXVI; <sup>ak)</sup> Haplotype HXXXVII; <sup>al)</sup> Haplotype HXXXVIII; <sup>am)</sup> Haplotype HXXXIX; <sup>an)</sup> Haplotype HXXXX; <sup>ao)</sup> Haplotype HXXXXI; <sup>ap)</sup> Haplotype HXXXXII; <sup>aq)</sup> Haplotype HXXXXIII.

Table S52. (Continued)

		94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
32	<i>C. vicina</i> <sup>x</sup>	10.1	9.4	9.3	9.7	9.9	9.7	9.7	10.1	9.7	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.9	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	10.2	9.9	9.4	9.7	9.4
33	<i>C. vicina</i> <sup>y</sup>	10.1	9.4	9.3	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.9	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	10.2	9.9	9.4	10.1	9.4
34	<i>C. vicina</i> <sup>z</sup>	10.1	9.4	9.3	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.9	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	10.2	9.9	9.4	10.1	9.4
35	<i>C. vicina</i> <sup>aa</sup>	9.7	9.1	8.9	9.4	9.6	9.4	9.4	9.7	9.7	9.7	9.7	9.6	9.7	9.4	9.6	9.6	9.6	9.6	9.9	9.3	9.4	9.4	9.6	9.7	9.4	9.9	9.9	9.6	9.1	9.7	9.1
36	<i>C. vicina</i> <sup>ab</sup>	10.1	9.4	8.9	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.6	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	9.9	9.9	9.4	10.1	9.4
37	<i>C. vicina</i> <sup>ac</sup>	10.4	9.7	9.3	10.1	10.2	10.1	10.1	10.4	10.4	10.4	10.4	10.2	10.4	10.1	10.2	10.2	9.9	10.2	10.6	9.9	10.1	10.1	10.2	10.4	10.1	10.6	10.2	10.2	9.7	10.4	9.7
38	<i>C. vicina</i> <sup>ad</sup>	10.1	9.7	9.3	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.6	9.9	10.2	9.9	9.7	9.7	9.9	10.1	9.7	10.2	9.9	9.9	9.4	10.1	9.4
39	<i>C. vicina</i> <sup>ae</sup>	10.4	9.7	9.3	10.1	10.2	10.1	10.1	10.4	10.1	10.4	10.4	10.2	10.4	10.1	10.2	10.2	9.9	10.2	10.6	9.9	10.1	10.1	10.2	10.4	10.1	10.6	10.2	10.2	9.7	10.1	9.7
40	<i>C. vicina</i> <sup>af</sup>	9.7	9.4	8.9	9.4	9.6	9.4	9.4	9.7	9.7	9.7	9.7	9.6	9.7	9.4	9.6	9.6	9.3	9.6	9.9	9.6	9.4	9.4	9.6	9.7	9.4	9.9	9.6	9.6	9.1	9.7	9.1
41	<i>C. vicina</i> <sup>ag</sup>	10.4	9.7	9.3	10.1	10.2	10.1	10.1	10.4	10.4	10.4	10.4	10.2	10.4	10.1	10.2	10.2	9.9	10.2	10.6	9.9	10.1	10.1	10.2	10.4	10.1	10.6	10.2	10.2	9.7	10.4	9.7
42	<i>C. vicina</i> <sup>ah</sup>	10.1	9.4	9.3	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.6	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	9.9	10.2	9.4	10.1	9.4
43	<i>C. vicina</i> <sup>ai</sup>	10.1	9.4	8.6	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.6	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	9.6	9.9	9.4	10.1	9.4
44	<i>C. vicina</i> <sup>aj</sup>	10.1	9.4	8.9	9.7	9.9	9.7	9.7	10.1	10.1	10.1	10.1	9.9	10.1	9.7	9.9	9.9	9.6	9.9	10.2	9.6	9.7	9.7	9.9	10.1	9.7	10.2	9.9	9.9	9.4	10.1	9.4
45	<i>C. vicina</i> <sup>ak</sup>	9.9	9.6	9.1	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	10.1	10.1	9.7	9.7	10.1	9.7	9.9	9.9	9.7	10.2	9.6	10.1	10.4	10.1	9.3	10.2	9.6
46	<i>C. vicina</i> <sup>al</sup>	9.9	9.3	9.1	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	10.1	9.7	9.3	9.9	9.3	
47	<i>C. vicina</i> <sup>am</sup>	10.2	9.6	9.1	9.9	10.1	9.9	9.9	10.2	10.2	10.2	10.2	10.1	10.2	9.9	10.1	10.2	10.1	10.4	9.7	9.9	9.9	10.1	10.2	9.9	10.4	10.1	10.1	9.6	10.2	9.6	
48	<i>C. vicina</i> <sup>an</sup>	9.9	9.3	8.8	9.6	9.7	9.6	9.6	9.9	9.9	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	9.7	9.3	9.9	9.3	
49	<i>C. vicina</i> <sup>ao</sup>	9.9	9.3	8.8	9.6	9.7	9.6	9.6	9.9	9.6	9.9	9.9	9.7	9.9	9.6	9.7	9.7	9.4	9.7	10.1	9.4	9.6	9.6	9.7	9.9	9.6	10.1	9.7	9.3	9.6	9.3	
50	<i>C. vicina</i> <sup>ap</sup>	9.6	8.9	9.1	9.3	9.4	9.3	9.3	9.6	9.6	9.6	9.6	9.4	9.6	9.3	9.4	9.4	9.4	9.7	9.1	9.3	9.3	9.3	9.4	9.6	9.3	9.7	9.7	9.4	8.9	9.6	8.9
51	<i>C. vomitoria</i> <sup>a)</sup>	9.1	8.4	8.6	9.1	8.9	8.8	8.8	9.1	9.1	9.1	9.1	8.9	9.1	9.1	8.9	8.9	8.9	8.9	9.3	8.6	8.8	9.1	9.3	9.1	8.8	9.3	8.9	8.9	8.8	9.1	8.8
52	<i>C. vomitoria</i> <sup>*a)</sup>	9.1	8.4	8.6	9.1	8.9	8.8	8.8	9.1	9.1	9.1	9.1	8.9	9.1	9.1	8.9	8.9	8.9	8.9	9.3	8.6	8.8	9.1	9.3	9.1	8.8	9.3	8.9	8.9	8.8	9.1	8.8
53	<i>C. vomitoria</i> <sup>b)</sup>	9.3	8.6	8.8	9.3	9.1	8.9	8.9	9.3	9.3	9.3	9.3	9.1	9.3	8.9	9.1	9.1	9.1	9.1	9.4	8.8	8.9	9.3	9.4	9.3	8.9	9.4	9.1	9.1	8.9	9.3	8.9
54	<i>C. vomitoria</i> <sup>*b)</sup>	9.3	8.6	8.8	9.3	9.1	8.9	8.9	9.3	9.3	9.3	9.3	9.1	9.3	8.9	9.1	9.1	9.1	9.1	9.4	8.8	8.9	9.3	9.4	9.3	8.9	9.4	9.1	9.1	8.9	9.3	8.9
55	<i>C. vomitoria</i> <sup>*c)</sup>	9.3	8.6	8.8	9.3	9.1	8.9	8.9	9.3	9.3	9.3	9.3	9.1	9.3	9.3	9.1	9.1	9.1	9.1	9.4	8.8	8.9	9.3	9.4	9.3	8.9	9.4	9.1	9.1	8.9	9.3	8.9
56	<i>C. vomitoria</i> <sup>*d)</sup>	9.4	8.8	8.9	9.4	9.3	9.1	9.1	9.4	9.4	9.4	9.4	9.3	9.4	9.1	9.3	9.3	9.3	9.3	9.6	8.9	9.1	9.4	9.6	9.4	9.1	9.6	9.3	9.3	9.1	9.4	9.1
57	<i>C. vomitoria</i> <sup>e)</sup>	9.3	8.9	8.8	9.3	9.1	8.9	8.9	9.3	9.3	9.3	8.9	9.1	9.3	9.3	9.1	9.1	9.1	9.1	9.4	8.8	8.9	9.3	9.1	9.3	8.9	9.4	9.1	9.1	9.3	9.3	9.3
58	<i>L. sericata</i> <sup>a)</sup>	6.0	6.0	6.8	6.3	6.2	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.0	6.5	6.5	6.2	6.3	6.2	6.5	6.3	6.7	6.2	6.7	6.2	6.7	6.8	6.5	6.0	6.7	6.3
59	<i>L. sericata</i> <sup>*a)</sup>	6.0	6.0	6.8	6.3	6.2	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.0	6.5	6.5	6.2	6.3	6.2	6.5	6.3	6.7	6.2	6.7	6.2	6.7	6.8	6.5	6.0	6.7	6.3
60	<i>L. sericata</i> <sup>*b)</sup>	5.8	5.8	7.0	6.2	6.0	6.2	5.8	6.2	6.2	6.2	6.2	6.2	6.2	5.8	6.3	6.3	6.0	6.2	6.0	6.3	6.2	6.5	6.3	6.5	6.0	6.5	6.7	6.3	5.8	6.5	6.2
61	<i>L. sericata</i> <sup>*c)</sup>	5.8	5.8	6.7	6.2	6.0	6.2	5.8	6.2	6.2	6.2	6.2	6.2	6.2	5.8	6.3	6.3	6.0	6.2	6.0	6.3	6.2	6.5	6.0	6.5	6.0	6.5	6.7	6.3	5.8	6.5	6.2
62	<i>L. sericata</i> <sup>*d)</sup>	5.8	5.8	6.7	6.2	6.0	6.2	5.8	6.2	6.2	6.2	6.2	6.2	6.2	5.8	6.3	6.3	6.0	6.2	6.0	6.3	6.2	6.5	6.0	6.5	6.0	6.5	6.7	6.3	5.8	6.5	6.2

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

**Material suplementario / Supplementary material**

**Table S52.** (Continued)

		94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	
63	<i>L. sericata</i> <sup>a</sup>	5.8	5.8	6.7	6.2	6.0	6.2	5.8	6.2	6.2	6.2	6.2	6.2	6.2	5.8	6.3	6.3	6.0	6.2	6.0	6.3	6.2	6.5	6.0	6.5	6.0	6.5	6.7	6.3	5.8	6.5	6.2	
64	<i>L. sericata</i> <sup>a</sup>	5.8	5.8	6.7	6.2	6.0	6.2	5.8	6.2	6.2	6.2	6.2	6.2	6.2	5.8	6.3	6.3	6.0	6.2	6.0	6.3	6.2	6.5	6.0	6.5	6.0	6.5	6.7	6.3	5.8	6.5	6.2	
65	<i>L. sericata</i> <sup>a</sup>	5.8	5.8	6.7	6.2	6.0	6.2	5.8	6.2	6.2	6.2	6.2	6.2	6.2	5.8	6.3	6.3	6.0	6.2	6.0	6.3	6.2	6.5	6.0	6.5	6.0	6.5	6.7	6.3	5.8	6.5	6.2	
66	<i>L. sericata</i> <sup>h</sup>	6.2	6.2	7.0	6.5	6.3	6.5	6.2	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.7	6.7	6.3	6.5	6.3	6.7	6.5	6.8	6.3	6.8	6.3	6.8	7.0	6.7	6.2	6.8	6.5	
67	<i>L. sericata</i>	6.2	6.2	6.7	6.5	6.3	6.5	6.2	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.7	6.7	6.3	6.5	6.3	6.7	6.5	6.8	6.3	6.8	6.3	6.8	6.7	6.7	6.2	6.8	6.5	
68	<i>L. sericata</i>	6.2	6.2	7.0	6.5	6.3	6.5	6.2	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.7	6.7	6.3	6.5	6.3	6.7	6.5	6.8	6.3	6.8	6.3	6.8	7.0	6.7	6.2	6.8	6.5	
69	<i>L. sericata</i> <sup>k</sup>	6.3	6.3	7.1	6.7	6.5	6.7	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.3	6.8	6.8	6.5	6.7	6.5	6.8	6.7	7.0	6.5	7.0	6.5	7.0	7.1	6.8	6.3	7.0	6.7
70	<i>L. sericata</i> <sup>l</sup>	5.7	5.7	6.5	6.0	5.8	6.0	5.7	6.0	6.0	6.0	6.0	6.0	6.0	5.7	6.2	6.2	5.8	6.0	5.8	6.2	6.0	6.3	5.8	6.3	5.8	6.3	6.5	6.2	5.7	6.3	6.0	
71	<i>L. sericata</i> <sup>m</sup>	6.0	6.0	6.8	6.3	6.2	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.0	6.5	6.5	6.2	6.3	6.2	6.5	6.3	6.7	6.2	6.7	6.2	6.7	6.8	6.5	6.0	6.7	6.3	
72	<i>L. richardsi</i> <sup>(b)</sup>	6.5	6.5	6.7	6.5	6.3	6.5	6.2	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.2	6.3	6.3	6.5	6.7	6.3	6.2	6.5	6.3	6.5	6.3	6.8	6.3	6.3	6.5	6.5	6.5	
73	<i>L. ampullacea</i> <sup>(a)</sup>	6.3	6.3	5.5	6.3	6.0	6.0	6.0	6.3	6.0	6.3	6.0	6.3	6.3	6.3	6.2	6.2	6.0	6.2	6.5	6.2	5.8	6.3	6.3	6.3	6.0	6.5	6.0	6.2	6.3	6.0	6.3	
74	<i>L. ampullacea</i> <sup>(a)</sup>	6.3	6.3	5.5	6.3	6.0	6.0	6.0	6.3	6.0	6.3	6.0	6.3	6.3	6.3	6.2	6.2	6.0	6.2	6.5	6.2	5.8	6.3	6.3	6.3	6.0	6.5	6.0	6.2	6.3	6.0	6.3	
75	<i>L. ampullacea</i> <sup>(b)</sup>	6.2	6.2	5.7	6.2	6.2	5.8	5.8	6.2	5.8	6.2	5.8	6.2	6.2	6.0	6.0	5.8	6.3	6.3	6.3	6.0	6.0	6.2	6.5	6.2	6.2	6.7	5.8	6.0	6.2	5.8	6.2	
76	<i>L. ampullacea</i> <sup>(c)</sup>	6.5	6.5	5.7	6.5	6.2	6.2	6.2	6.5	6.2	6.5	6.2	6.5	6.2	6.5	6.5	6.0	6.0	6.2	6.3	6.7	6.3	6.0	6.2	6.5	6.2	6.2	6.7	5.8	6.0	6.5	5.8	6.2
77	<i>L. ampullacea</i> <sup>(d)</sup>	6.2	6.2	5.4	6.2	5.8	5.8	5.8	6.2	6.2	6.2	5.8	6.2	6.2	6.2	6.0	6.0	5.8	6.0	6.3	6.0	5.7	6.2	6.2	6.2	5.8	6.3	5.8	6.0	6.2	6.2	6.2	
78	<i>L. ampullacea</i> <sup>(e)</sup>	6.5	6.5	5.7	6.5	6.2	6.2	6.2	6.5	6.2	6.5	6.2	6.5	6.5	6.5	6.3	6.3	6.2	6.3	6.7	6.3	6.0	6.5	6.5	6.5	6.2	6.7	6.2	6.3	6.5	6.2	6.5	
79	<i>L. ampullacea</i> <sup>(f)</sup>	6.2	6.5	5.7	6.2	5.8	5.8	5.8	6.2	5.8	6.2	5.8	6.2	6.2	6.2	6.0	6.0	6.2	6.0	6.3	6.0	5.7	6.2	6.2	6.2	6.2	6.2	6.3	5.8	6.0	6.5	6.2	6.5
80	<i>L. ampullacea</i> <sup>(g)</sup>	6.5	6.5	5.7	6.5	6.2	6.2	6.2	6.5	6.2	6.5	6.2	6.5	6.5	6.5	6.3	6.3	6.2	6.3	6.3	6.3	6.0	6.5	6.5	6.5	6.2	6.7	6.2	6.3	6.5	6.2	6.5	
81	<i>L. ampullacea</i> <sup>(h)</sup>	6.5	6.5	5.7	6.5	6.2	6.2	6.2	6.5	6.2	6.5	6.2	6.5	6.5	6.5	6.3	6.3	6.2	6.3	6.7	6.3	6.0	6.5	6.5	6.5	6.2	6.7	6.2	6.3	6.5	6.2	6.5	
82	<i>L. ampullacea</i> <sup>(i)</sup>	6.5	6.5	5.7	6.5	6.2	6.2	6.2	6.5	6.2	6.5	6.2	6.5	6.5	6.5	6.3	6.3	6.2	6.3	6.7	6.3	6.0	6.5	6.5	6.5	6.2	6.7	6.2	6.3	6.5	6.2	6.5	
83	<i>L. ampullacea</i> <sup>(j)</sup>	6.7	6.7	5.8	6.7	6.3	6.3	6.3	6.7	6.3	6.7	6.3	6.7	6.7	6.7	6.2	6.2	6.3	6.5	6.8	6.5	6.2	6.3	6.7	6.3	6.3	6.8	6.0	6.2	6.7	6.0	6.3	
84	<i>L. ampullacea</i> <sup>(k)</sup>	6.3	6.3	5.5	6.3	6.0	6.0	6.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3	5.8	5.8	6.0	6.2	6.5	6.2	5.8	6.0	6.3	6.0	6.0	6.5	5.7	5.8	6.3	5.7	6.0	
85	<i>L. silvarum</i> <sup>(b)</sup>	7.6	7.6	7.5	7.6	7.5	7.6	7.3	7.6	7.6	7.6	7.6	7.6	7.6	7.3	7.5	7.5	7.5	7.6	7.8	7.5	7.3	7.6	7.5	7.6	7.5	8.0	7.5	7.5	7.6	7.6	7.6	
86	<i>L. silvarum</i> <sup>(b)</sup>	7.8	7.8	7.6	7.8	7.6	7.8	7.5	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	7.6	7.6	7.8	8.0	7.6	7.5	7.8	7.6	7.5	7.6	8.1	7.6	7.6	7.8	7.8	7.8	
87	<i>L. caesar</i> <sup>(a)</sup>	0.2	1.1	2.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8	1.1	
88	<i>L. caesar</i> <sup>(b)</sup>	1.1	0.5	2.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.6	0.6	1.0	1.3	1.3	1.0	1.0	0.8	1.5	0.8	1.1	1.3	1.0	0.6	0.5	0.8	0.2	
89	<i>L. caesar</i> <sup>(b)</sup>	1.1	0.5	2.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.6	0.6	1.0	1.3	1.3	1.0	1.0	0.8	1.5	0.8	1.1	1.3	1.0	0.6	0.5	0.8	0.2	
90	<i>L. caesar</i> <sup>(c)</sup>	0.3	1.0	2.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.5	0.5	0.5	0.2	0.2	0.3	0.6	0.3	0.6	0.8	0.5	0.5	1.0	0.6	1.0	
91	<i>L. caesar</i> <sup>(c)</sup>	0.3	1.0	2.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.5	0.5	0.5	0.2	0.2	0.3	0.6	0.3	0.6	0.8	0.5	0.5	1.0	0.6	1.0	
92	<i>L. caesar</i> <sup>(d)</sup>	0.3	1.3	2.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.6	0.6	0.8	0.8	0.6	1.0	1.3	
93	<i>L. caesar</i> <sup>(e)</sup>	0.3	1.3	2.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

*Material suplementario / Supplementary material*

**Table S52.** (Continued)

		94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
94	<i>L. caesar</i> <sup>(*)</sup>	—	1.0	2.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3
95	<i>L. caesar</i> <sup>(*)</sup>	6	—	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.1	1.5	1.1	0.8	1.1	1.3	1.6	1.3	1.3	1.5	1.5	1.1	0.6	1.3	0.6
96	<i>L. caesar</i> <sup>(*)</sup>	18	16	—	2.9	2.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.1	3.1	2.4	2.8	3.1	2.8	2.8	2.9	2.3	3.2	2.6	2.8	2.8	3.1	2.3	3.2	2.9
97	<i>L. caesar</i> <sup>(*)</sup>	2	8	18	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.0
98	<i>L. caesar</i> <sup>(*)</sup>	2	8	16	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.2	0.5	0.5	0.2	0.6	0.3	0.6	0.3	0.5	0.8	0.8	1.0	1.0	1.3
99	<i>L. caesar</i> <sup>(*)</sup>	2	8	18	2	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3
100	<i>L. caesar</i> <sup>(*)</sup>	2	8	18	2	2	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3
101	<i>L. caesar</i> <sup>(*)</sup>	2	8	18	2	2	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3
102	<i>L. caesar</i> <sup>(*)</sup>	2	8	18	2	2	2	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3
103	<i>L. caesar</i> <sup>(*)</sup>	2	8	18	2	2	2	2	2	—	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3
104	<i>L. caesar</i> <sup>(*)</sup>	2	8	18	2	2	2	2	2	2	—	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3
105	<i>L. caesar</i> <sup>(*)</sup>	2	8	18	2	2	2	2	2	2	2	—	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3
106	<i>L. caesar</i> <sup>(*)</sup>	2	8	18	2	2	2	2	2	2	2	2	—	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3
107	<i>L. caesar</i> <sup>(*)</sup>	2	8	18	2	2	2	2	2	2	2	2	2	—	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	1.0	1.0	1.3
108	<i>L. caesar</i> <sup>(*)</sup>	3	7	19	3	3	3	3	3	3	3	3	3	3	—	0.0	0.6	0.6	0.6	0.3	0.3	0.2	0.8	0.2	0.8	1.0	0.3	0.3	1.1	0.5	0.8	
109	<i>L. caesar</i> <sup>(*)</sup>	3	7	19	3	3	3	3	3	3	3	3	3	3	0	—	0.6	0.6	0.6	0.3	0.3	0.2	0.8	0.2	0.8	1.0	0.3	0.3	1.1	0.5	0.8	
110	<i>L. caesar</i> <sup>(*)</sup>	3	7	15	3	3	3	3	3	3	3	3	3	3	3	4	4	—	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.5	1.0	0.6	1.0	0.8	0.8	1.1
111	<i>L. caesar</i> <sup>(*)</sup>	3	9	17	3	1	3	3	3	3	3	3	3	3	3	4	4	4	—	0.6	0.6	0.3	0.8	0.5	0.8	0.2	0.3	1.0	1.0	1.1	1.1	1.5
112	<i>L. caesar</i> <sup>(*)</sup>	1	7	19	3	3	3	3	3	3	3	3	3	3	3	4	4	4	—	0.6	0.6	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.1	1.1	1.5	
113	<i>L. caesar</i> <sup>(*)</sup>	3	5	17	3	3	3	3	3	3	3	3	3	3	3	2	2	4	4	4	—	0.3	0.5	0.8	0.5	0.8	1.0	0.6	0.6	1.1	0.8	1.1
114	<i>L. caesar</i> <sup>(*)</sup>	3	7	17	3	1	3	3	3	3	3	3	3	3	3	2	2	4	2	4	2	—	0.5	0.5	0.5	0.6	0.6	0.6	1.1	0.8	1.1	
115	<i>L. caesar</i> <sup>(*)</sup>	4	8	18	4	4	4	4	4	4	4	4	4	4	4	1	1	5	5	5	3	3	—	0.6	0.3	1.0	1.1	0.5	0.5	1.0	0.6	1.0
116	<i>L. caesar</i> <sup>(*)</sup>	4	10	14	4	2	4	4	4	4	4	4	4	4	4	5	5	5	3	5	5	3	4	—	1.0	0.6	0.8	1.1	1.1	1.0	1.3	1.6
117	<i>L. caesar</i> <sup>(*)</sup>	4	8	20	4	4	4	4	4	4	4	4	4	4	4	1	1	5	5	5	3	3	2	6	—	1.0	1.1	0.5	0.5	1.3	0.6	1.0
118	<i>L. caesar</i> <sup>(*)</sup>	4	8	16	4	2	4	4	4	4	4	4	4	4	4	5	5	3	1	5	5	3	6	4	6	—	0.5	1.1	1.1	1.0	1.0	1.3
119	<i>L. caesar</i> <sup>(*)</sup>	5	9	17	5	3	5	5	5	5	5	5	5	5	5	6	6	6	2	6	6	4	7	5	7	3	—	1.3	1.0	1.1	1.5	1.5
120	<i>L. caesar</i> <sup>(*)</sup>	5	9	17	5	5	5	5	5	5	5	5	5	5	5	2	2	4	6	6	4	4	3	7	3	7	8	—	0.6	1.5	0.8	1.1
121	<i>L. caesar</i> <sup>(*)</sup>	5	7	19	5	5	5	5	5	5	5	5	5	5	5	2	2	6	6	6	4	4	3	7	3	7	6	4	—	1.1	0.8	0.8
122	<i>L. caesar</i> <sup>(*)</sup>	6	4	14	6	6	6	6	6	6	6	6	6	6	6	7	7	5	7	7	7	7	6	6	8	6	7	9	7	—	1.3	0.6
123	<i>L. caesar</i> <sup>(*)</sup>	6	8	20	6	6	6	6	6	6	6	6	6	6	6	3	3	5	7	7	5	5	4	8	4	6	9	5	5	8	—	1.0
124	<i>L. caesar</i> <sup>(*)</sup>	8	4	18	6	8	8	8	8	8	8	8	8	8	8	5	5	7	9	9	7	7	6	10	6	8	9	7	5	4	6	—

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

**Material suplementario / Supplementary material**

**Table S52.** (Continued)

		94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
125	<i>L. caesar</i> <sup>aj</sup>	8	4	18	8	8	8	8	8	8	8	8	8	8	8	5	5	7	9	9	7	7	6	10	6	8	9	7	5	4	6	2
126	<i>L. caesar</i> <sup>ak</sup>	8	2	16	8	8	8	8	8	8	8	8	8	8	8	5	5	7	9	9	5	7	6	10	6	8	9	7	5	4	6	2
127	<i>L. caesar</i> <sup>al</sup>	8	8	18	8	6	8	8	8	8	8	8	8	8	8	5	5	7	9	9	7	5	6	8	6	4	3	7	5	8	6	6
128	<i>L. caesar</i> <sup>am</sup>	9	5	17	9	9	9	9	9	9	9	9	9	9	9	6	6	8	10	10	8	8	7	11	7	9	10	8	6	5	7	3
129	<i>L. caesar</i> <sup>an</sup>	9	5	17	9	9	9	9	9	9	9	9	9	9	9	6	6	8	10	10	8	8	7	11	7	9	10	8	6	5	7	3
130	<i>L. caesar</i> <sup>ao</sup>	7	1	15	9	7	9	9	9	9	9	9	9	9	9	8	8	8	8	8	6	6	9	9	9	7	8	10	8	5	9	5
131	<i>L. caesar</i> <sup>ap</sup>	9	5	17	9	7	9	9	9	9	9	9	9	9	9	6	6	8	8	10	8	6	7	9	7	7	8	8	6	5	7	3
132	<i>L. caesar</i> <sup>aq</sup>	17	17	1	17	15	17	17	17	17	17	17	17	17	17	18	18	14	16	18	16	16	17	13	19	15	16	16	18	15	19	19
133	<i>L. illustris</i> <sup>a</sup>	17	17	1	17	15	17	17	17	17	17	17	17	17	17	18	18	14	16	18	16	16	17	13	19	15	16	16	18	15	19	19
134	<i>L. illustris</i> <sup>a)</sup>	17	17	1	17	15	17	17	17	17	17	17	17	17	17	18	18	14	16	18	16	16	17	13	19	15	16	16	18	15	19	19
135	<i>L. illustris</i> <sup>b)</sup>	16	18	2	16	14	16	16	16	16	16	16	16	16	16	17	17	15	15	17	15	15	16	12	18	16	15	15	17	16	20	20
136	<i>L. illustris</i> <sup>c)</sup>	17	17	3	17	15	17	17	17	17	17	17	17	17	17	18	18	14	16	18	16	16	17	13	19	15	16	16	18	15	19	19
137	<i>L. illustris</i> <sup>d)</sup>	18	16	0	18	16	18	18	18	18	18	18	18	18	18	19	19	15	17	19	17	17	18	14	20	16	17	17	19	14	20	18
138	<i>L. illustris</i> <sup>e)</sup>	18	18	2	18	16	18	18	18	18	18	18	18	18	18	19	19	15	17	19	17	17	18	14	20	16	17	17	19	16	20	20
139	<i>L. illustris</i> <sup>f)</sup>	18	18	2	18	16	18	18	18	18	18	18	18	18	16	19	19	15	17	19	17	17	18	14	20	16	17	17	19	16	20	20
140	<i>L. illustris</i> <sup>g)</sup>	18	18	2	18	16	18	16	18	18	18	18	18	18	18	19	19	15	17	19	17	17	18	14	20	16	17	17	19	16	20	20
141	<i>L. illustris</i> <sup>h)</sup>	16	16	2	16	14	16	16	16	16	16	16	16	16	16	17	17	15	15	17	15	15	16	12	18	14	15	17	17	14	18	18
142	<i>L. illustris</i> <sup>i)</sup>	18	18	2	18	16	18	18	18	18	18	18	18	18	18	19	19	15	17	19	17	17	18	14	20	16	17	17	19	16	20	20
143	<i>L. illustris</i> <sup>j)</sup>	15	16	2	15	13	15	15	15	15	15	15	15	15	15	16	16	12	14	16	14	14	15	11	17	13	14	14	16	14	17	18
144	<i>L. illustris</i> <sup>k)</sup>	16	16	2	16	14	16	16	16	16	16	16	16	16	16	17	17	13	15	17	15	15	16	14	18	14	15	15	17	14	18	18
145	<i>L. illustris</i> <sup>l)</sup>	17	17	3	17	15	17	17	17	17	17	17	17	17	17	18	18	14	16	16	16	16	17	13	19	15	16	16	18	15	19	19
146	<i>L. illustris</i> <sup>m)</sup>	17	17	3	17	15	17	17	17	17	17	17	17	17	17	18	18	14	16	18	16	16	17	13	19	15	16	16	18	15	19	19
147	<i>L. illustris</i> <sup>n)</sup>	15	15	3	15	13	15	15	15	15	15	15	15	15	15	16	16	12	14	16	14	14	15	11	17	13	14	14	16	13	17	17
148	<i>L. illustris</i> <sup>o)</sup>	17	19	3	17	15	17	17	17	17	17	17	17	17	17	18	18	16	16	18	16	16	17	13	19	17	16	16	18	17	21	21
149	<i>L. illustris</i> <sup>p)</sup>	16	16	4	16	14	16	16	16	16	16	16	16	16	16	17	17	13	15	15	15	15	16	12	18	14	15	15	17	14	18	18
150	<i>L. illustris</i> <sup>q)</sup>	18	18	4	18	16	18	18	18	18	18	18	18	18	18	19	19	15	17	19	17	17	18	14	20	16	17	17	19	16	20	20
151	<i>L. illustris</i> <sup>r)</sup>	18	18	4	18	16	18	18	18	18	18	18	18	18	18	19	19	15	17	19	17	17	18	14	20	16	17	17	19	16	20	20
152	<i>L. illustris</i> <sup>s)</sup>	8	4	18	8	8	8	8	8	8	8	8	8	8	8	5	5	7	9	9	7	7	6	10	6	8	9	7	5	4	6	2
153	<i>L. bufonivora</i> <sup>a)</sup>	44	48	47	44	43	42	42	44	44	44	44	44	44	42	45	45	45	44	45	45	44	44	43	46	45	46	45	47	44	48	48
154	<i>L. bufonivora</i> <sup>b)</sup>	44	48	47	44	43	42	42	44	44	44	44	44	44	42	45	45	45	44	45	45	44	44	43	46	45	46	45	47	44	48	48

<sup>a)</sup> Haplotype HI; <sup>b)</sup> Haplotype HII; <sup>c)</sup> Haplotype HIII; <sup>d)</sup> Haplotype HIV; <sup>e)</sup> Haplotype HV; <sup>f)</sup> Haplotype HVI; <sup>g)</sup> Haplotype HVII; <sup>h)</sup> Haplotype HVIII; <sup>i)</sup> Haplotype HIX; <sup>j)</sup> Haplotype HX; <sup>k)</sup> Haplotype HXI; <sup>l)</sup> Haplotype HXII; <sup>m)</sup> Haplotype HXIII; <sup>n)</sup> Haplotype HXIV; <sup>o)</sup> Haplotype HXV; <sup>p)</sup> Haplotype HXVI; <sup>q)</sup> Haplotype HXVII; <sup>r)</sup> Haplotype HXVIII; <sup>s)</sup> Haplotype HXIX; <sup>t)</sup> Haplotype HXX; <sup>u)</sup> Haplotype HXXI; <sup>v)</sup> Haplotype HXXII; <sup>w)</sup> Haplotype HXXIII; <sup>x)</sup> Haplotype HXXIV; <sup>y)</sup> Haplotype HXXV; <sup>z)</sup> Haplotype HXXVI; <sup>aa)</sup> Haplotype HXXVII; <sup>ab)</sup> Haplotype HXXVIII; <sup>ac)</sup> Haplotype HXXIX; <sup>ad)</sup> Haplotype HXXX; <sup>ae)</sup> Haplotype HXXXI; <sup>af)</sup> Haplotype HXXXII; <sup>ag)</sup> Haplotype HXXXIII; <sup>ah)</sup> Haplotype HXXXIV; <sup>ai)</sup> Haplotype HXXXV; <sup>aj)</sup> Haplotype HXXXVI; <sup>ak)</sup> Haplotype HXXXVII; <sup>al)</sup> Haplotype HXXXVIII; <sup>am)</sup> Haplotype HXXXIX; <sup>an)</sup> Haplotype HXXXX; <sup>ao)</sup> Haplotype HXXXI; <sup>ap)</sup> Haplotype HXXXII; <sup>aq)</sup> Haplotype HXXXIII.

*Material suplementario / Supplementary material*

**Table S52. (Continued)**

		125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	
1	<i>Ch. albiceps</i> <sup>(a)</sup>	9.4	9.1	9.7	9.6	9.6	8.6	8.9	9.6	9.6	9.6	9.7	9.6	9.4	9.7	9.4	9.4	9.4	9.7	9.7	9.4	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.4	9.9	9.9	
2	<i>Ch. albiceps</i> <sup>(a)</sup>	9.4	9.1	9.7	9.6	9.6	8.6	8.9	9.6	9.6	9.6	9.7	9.6	9.4	9.7	9.4	9.4	9.4	9.7	9.7	9.4	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.4	9.9	9.9	
3	<i>Ch. albiceps</i> <sup>(b)</sup>	9.6	9.3	9.9	9.7	9.7	8.8	9.1	9.7	9.7	9.7	9.9	9.7	9.6	9.9	9.6	9.6	9.6	9.9	9.9	9.6	9.7	9.7	9.7	9.9	9.9	9.9	9.9	9.6	10.1	10.1	
4	<i>Ch. albiceps</i> <sup>(c)</sup>	9.4	9.1	9.7	9.6	9.6	8.6	8.9	9.3	9.3	9.3	9.4	9.3	9.1	9.4	9.1	9.1	9.1	9.4	9.4	9.1	9.3	9.3	9.3	9.4	9.4	9.4	9.4	9.4	9.6	9.6	
5	<i>C. vicina</i> <sup>(a)</sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.1	9.1	9.1	9.3	9.4	8.9	9.3	8.9	8.9	9.3	9.1	9.3	8.9	9.1	9.4	9.4	9.4	9.3	9.6	9.4	9.7	9.4	9.4	
6	<i>C. vicina</i> <sup>(a)</sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.1	9.1	9.1	9.3	9.4	8.9	9.3	8.9	8.9	9.3	9.1	9.3	8.9	9.1	9.4	9.4	9.4	9.3	9.6	9.4	9.7	9.4	9.4	
7	<i>C. vicina</i> <sup>(b)</sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.4	9.4
8	<i>C. vicina</i> <sup>(b)</sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.4	9.4	
9	<i>C. vicina</i> <sup>(c)</sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	8.9	8.9	8.9	9.1	9.3	8.8	9.1	8.8	8.8	9.1	8.9	9.1	8.8	8.9	9.3	9.3	9.3	9.1	9.4	9.3	9.6	9.6	9.6	
10	<i>C. vicina</i> <sup>(c)</sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	8.9	8.9	8.9	9.1	9.3	8.8	9.1	8.8	8.8	9.1	8.9	9.1	8.8	8.9	9.3	9.3	9.3	9.1	9.4	9.3	9.6	9.6	9.6	
11	<i>C. vicina</i> <sup>(d)</sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	8.9	8.9	8.9	9.1	9.3	8.8	9.1	8.8	8.8	9.1	8.9	9.1	8.8	8.9	9.3	9.3	9.3	9.1	9.4	9.3	9.6	9.3	9.3	
12	<i>C. vicina</i> <sup>(e)</sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.1	9.1	9.1	9.3	9.4	8.9	9.3	8.9	8.9	9.3	9.1	9.3	8.9	9.1	9.4	9.4	9.4	9.3	9.6	9.4	9.7	9.3	9.3	
13	<i>C. vicina</i> <sup>(f)</sup>	9.4	9.1	9.7	9.3	9.6	9.1	9.1	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.3	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	9.4	9.1	9.1	
14	<i>C. vicina</i> <sup>(g)</sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.6	9.6	
15	<i>C. vicina</i> <sup>(h)</sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.6	9.6	
16	<i>C. vicina</i> <sup>(i)</sup>	9.6	9.6	9.9	9.4	9.7	9.6	9.3	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.6	9.3	9.3	
17	<i>C. vicina</i> <sup>(j)</sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.6	9.6	
18	<i>C. vicina</i> <sup>(k)</sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.6	9.6	
19	<i>C. vicina</i> <sup>(k)</sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.6	9.6	
20	<i>C. vicina</i> <sup>(l)</sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.6	9.6	
21	<i>C. vicina</i> <sup>(m)</sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	8.9	8.9	8.9	9.1	9.3	8.8	9.1	8.8	8.8	9.1	8.9	9.1	8.8	8.9	9.3	9.3	9.3	9.1	9.4	9.3	9.6	9.3	9.3	
22	<i>C. vicina</i> <sup>(n)</sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.1	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.6	9.3	9.3	
23	<i>C. vicina</i> <sup>(o)</sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.6	9.6	9.6	
24	<i>C. vicina</i> <sup>(p)</sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	8.9	8.9	8.9	9.1	9.3	8.8	9.1	8.8	8.8	9.1	8.9	9.1	8.8	8.9	9.3	9.3	9.3	9.1	9.4	9.3	9.6	9.3	9.3	
25	<i>C. vicina</i> <sup>(q)</sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	8.9	8.9	8.9	9.1	9.3	8.8	9.1	8.8	8.8	9.1	8.9	9.1	8.8	8.9	9.3	9.3	9.3	9.1	9.4	9.3	9.6	9.3	9.3	
26	<i>C. vicina</i> <sup>(r)</sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.6	9.3	9.3	
27	<i>C. vicina</i> <sup>(s)</sup>	10.1	9.7	10.4	9.9	10.2	9.7	9.7	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.6	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	10.1	9.7	9.7	
28	<i>C. vicina</i> <sup>(t)</sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.3	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	9.7	9.4	9.4	
29	<i>C. vicina</i> <sup>(u)</sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.1	9.1	9.1	9.3	9.4	8.9	9.3	8.9	8.9	9.3	9.1	9.3	8.9	9.1	9.4	9.4	9.4	9.3	9.6	9.4	9.7	9.4	9.4	
30	<i>C. vicina</i> <sup>(v)</sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	8.9	8.9	8.9	9.1	9.3	8.8	9.1	8.8	8.8	9.1	8.9	9.1	8.8	8.9	9.3	9.3	9.3	9.1	9.4	9.3	9.6	9.6	9.6	
31	<i>C. vicina</i> <sup>(w)</sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.7	9.7	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

**Material suplementario / Supplementary material**

**Table S52. (Continued)**

	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	
32 <i>C. vicina</i> <sup>a*</sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.3	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	9.7	9.4	9.4	
33 <i>C. vicina</i> <sup>a<sup>y</sup></sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.3	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	9.7	9.4	9.4	
34 <i>C. vicina</i> <sup>a<sup>z</sup></sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.3	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	9.7	9.4	9.4	
35 <i>C. vicina</i> <sup>a<sup>aa</sup></sup>	9.4	9.1	9.7	9.3	9.6	9.1	9.1	9.1	9.1	9.1	9.3	9.4	8.9	9.3	8.9	8.9	8.9	9.1	9.3	8.9	9.1	9.4	9.4	9.4	9.3	9.6	9.4	9.4	9.4	9.4	
36 <i>C. vicina</i> <sup>a<sup>ab</sup></sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.1	9.1	9.1	9.3	9.4	8.9	9.3	8.9	8.9	9.3	9.1	9.3	8.9	9.1	9.4	9.4	9.4	9.3	9.6	9.4	9.7	9.7	9.7	
37 <i>C. vicina</i> <sup>a<sup>ac</sup></sup>	10.1	9.7	10.4	9.9	10.2	9.7	9.7	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.6	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	10.1	9.7	9.7	
38 <i>C. vicina</i> <sup>a<sup>ad</sup></sup>	9.7	9.7	10.1	9.6	9.9	9.7	9.4	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.6	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	9.7	9.4	9.4	
39 <i>C. vicina</i> <sup>a<sup>ae</sup></sup>	10.1	9.7	10.4	9.9	10.2	9.7	9.7	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.6	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	10.1	9.6	9.6	
40 <i>C. vicina</i> <sup>a<sup>af</sup></sup>	9.4	9.4	9.7	9.3	9.6	9.4	9.1	9.1	9.1	9.1	9.3	9.4	8.9	9.3	8.9	8.9	9.3	9.1	9.3	8.9	9.1	9.4	9.4	9.4	9.3	9.6	9.4	9.4	9.4	9.4	
41 <i>C. vicina</i> <sup>a<sup>ag</sup></sup>	10.1	9.7	10.4	9.9	10.2	9.7	9.7	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.6	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	10.1	9.7	9.7	
42 <i>C. vicina</i> <sup>a<sup>ah</sup></sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.4	9.4	9.4	9.6	9.7	9.3	9.6	9.3	9.3	9.6	9.4	9.6	9.3	9.4	9.7	9.7	9.7	9.6	9.9	9.7	9.7	9.4	9.4	
43 <i>C. vicina</i> <sup>a<sup>ai</sup></sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	8.8	8.8	8.8	8.9	9.1	8.6	8.9	8.6	8.6	8.9	8.8	8.9	8.6	8.8	9.1	9.1	9.1	8.9	9.3	9.1	9.7	9.1	9.1	
44 <i>C. vicina</i> <sup>a<sup>aj</sup></sup>	9.7	9.4	10.1	9.6	9.9	9.4	9.4	9.1	9.1	9.1	9.3	9.4	8.9	9.3	8.9	8.9	9.3	9.1	9.3	8.9	9.1	9.4	9.4	9.4	9.3	9.6	9.4	9.7	9.4	9.4	
45 <i>C. vicina</i> <sup>a<sup>ak</sup></sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.1	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.3	9.3
46 <i>C. vicina</i> <sup>a<sup>al</sup></sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.1	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.6	9.4	9.7	9.6	9.6	8.9	8.9
47 <i>C. vicina</i> <sup>a<sup>am</sup></sup>	9.9	9.6	10.2	9.7	10.1	9.6	9.6	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.4	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.9	9.4	9.4	
48 <i>C. vicina</i> <sup>a<sup>an</sup></sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	8.9	8.9	8.9	9.1	9.3	8.8	9.1	8.8	8.8	9.1	8.9	9.1	8.8	8.9	9.3	9.3	9.3	9.1	9.4	9.3	9.6	9.6	9.6	
49 <i>C. vicina</i> <sup>a<sup>ao</sup></sup>	9.6	9.3	9.9	9.4	9.7	9.3	9.3	8.9	8.9	8.9	9.1	9.3	8.8	9.1	8.8	8.8	9.1	8.9	9.1	8.8	8.9	9.3	9.3	9.3	9.1	9.4	9.3	9.6	9.3	9.3	
50 <i>C. vicina</i> <sup>a<sup>ap</sup></sup>	9.3	8.9	9.6	9.1	9.4	8.9	8.9	9.3	9.3	9.3	9.4	9.6	9.1	9.4	9.1	9.1	9.1	9.3	9.4	9.1	9.3	9.6	9.6	9.6	9.4	9.7	9.6	9.3	8.9	8.9	
51 <i>C. vomitoria</i> <sup>a<sup>aq</sup></sup>	8.8	8.4	9.1	8.9	8.9	8.4	8.4	8.8	8.8	8.8	8.9	8.8	8.6	8.9	8.9	8.6	8.6	8.8	8.9	8.6	8.8	8.8	8.8	9.1	8.9	8.9	8.8	8.8	8.6	8.6	
52 <i>C. vomitoria</i> <sup>a<sup>ar</sup></sup>	8.8	8.4	9.1	8.9	8.9	8.4	8.4	8.8	8.8	8.8	8.9	8.8	8.6	8.9	8.9	8.6	8.6	8.8	8.9	8.6	8.8	8.8	8.8	9.1	8.9	8.9	8.8	8.8	8.6	8.6	
53 <i>C. vomitoria</i> <sup>a<sup>as</sup></sup>	8.9	8.6	9.3	9.1	9.1	8.6	8.6	8.9	8.9	8.9	9.1	8.9	8.8	9.1	8.8	8.8	8.8	8.9	9.1	8.8	8.9	8.9	8.9	9.3	9.1	9.1	8.9	8.9	8.4	8.4	
54 <i>C. vomitoria</i> <sup>a<sup>at</sup></sup>	8.9	8.6	9.3	9.1	9.1	8.6	8.6	8.9	8.9	8.9	9.1	8.9	8.8	9.1	8.8	8.8	8.8	8.9	9.1	8.8	8.9	8.9	8.9	9.3	9.1	9.1	8.9	8.9	8.4	8.4	
55 <i>C. vomitoria</i> <sup>a<sup>au</sup></sup>	8.9	8.6	9.3	9.1	9.1	8.6	8.6	8.9	8.9	8.9	9.1	8.9	8.8	9.1	9.1	8.8	8.8	8.9	9.1	8.8	8.9	8.9	8.9	9.3	9.1	9.1	8.9	8.9	8.4	8.8	
56 <i>C. vomitoria</i> <sup>a<sup>av</sup></sup>	9.1	8.8	9.4	9.3	9.3	8.8	8.8	9.1	9.1	9.1	9.3	9.1	8.9	9.3	8.9	8.9	8.9	9.1	9.3	8.9	9.1	9.1	9.1	9.4	9.3	9.3	9.1	9.1	8.6	8.6	
57 <i>C. vomitoria</i> <sup>a<sup>aw</sup></sup>	9.3	8.9	9.3	9.4	9.4	8.9	8.9	8.6	8.6	8.6	8.8	8.6	8.8	8.8	8.8	8.4	8.4	8.6	8.8	8.8	8.6	8.6	8.6	8.6	8.9	8.8	8.8	8.6	8.9	8.6	8.6
58 <i>L. sericata</i> <sup>a<sup>ax</sup></sup>	6.3	6.3	6.8	6.5	6.5	6.0	6.0	7.0	7.0	7.0	7.1	7.0	6.8	7.1	6.8	6.8	6.8	7.1	6.8	7.1	7.0	7.0	6.7	7.1	6.8	7.1	7.1	6.0	5.8	5.8	
59 <i>L. sericata</i> <sup>a<sup>ay</sup></sup>	6.3	6.3	6.8	6.5	6.5	6.0	6.0	7.0	7.0	7.0	7.1	7.0	6.8	7.1	6.8	6.8	6.8	7.1	6.8	7.1	7.0	7.0	6.7	7.1	6.8	7.1	7.1	6.0	5.8	5.8	
60 <i>L. sericata</i> <sup>a<sup>az</sup></sup>	6.2	6.2	6.7	6.3	6.3	5.8	5.8	7.1	7.1	7.1	7.3	7.1	7.0	7.3	7.0	7.0	7.0	7.3	7.0	7.0	7.1	7.1	6.8	7.3	7.0	7.3	7.3	5.8	5.7	5.7	
61 <i>L. sericata</i> <sup>a<sup>ba</sup></sup>	6.2	6.2	6.7	6.3	6.3	5.8	5.8	6.8	6.8	6.8	7.0	6.8	6.7	7.0	6.7	6.7	6.7	7.0	6.7	7.0	6.8	6.8	6.5	7.0	6.7	7.0	7.0	5.8	5.7	5.7	
62 <i>L. sericata</i> <sup>a<sup>bb</sup></sup>	6.2	6.2	6.7	6.3	6.3	5.8	5.8	6.8	6.8	6.8	7.0	6.8	6.7	7.0	6.7	6.7	6.7	7.0	6.7	7.0	6.8	6.8	6.5	7.0	6.7	7.0	7.0	5.8	5.7	5.7	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

*Material suplementario / Supplementary material*

**Table S52.** (Continued)

	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	
63	<i>L. sericata</i> <sup>a</sup>	6.2	6.2	6.7	6.3	6.3	5.8	5.8	6.8	6.8	6.8	7.0	6.8	6.7	7.0	6.7	6.7	7.0	6.7	7.0	6.8	6.8	6.5	7.0	6.7	7.0	7.0	5.8	5.7	5.7	
64	<i>L. sericata</i> <sup>a</sup>	6.2	6.2	6.7	6.3	6.3	5.8	5.8	6.8	6.8	6.8	7.0	6.8	6.7	7.0	6.7	6.7	7.0	6.7	7.0	6.8	6.8	6.5	7.0	6.7	7.0	7.0	5.8	6.0	6.0	
65	<i>L. sericata</i> <sup>a</sup>	6.2	6.2	6.7	6.3	6.3	5.8	5.8	6.8	6.8	6.8	7.0	6.8	6.7	7.0	6.7	6.7	7.0	6.7	7.0	6.8	6.8	6.5	7.0	6.7	7.0	7.0	5.8	5.7	5.7	
66	<i>L. sericata</i> <sup>h</sup>	6.5	6.5	7.0	6.7	6.7	6.2	6.2	7.1	7.1	7.1	7.3	7.1	7.0	7.3	7.0	7.0	7.0	7.0	7.3	7.1	7.1	6.8	7.3	7.0	7.3	7.3	6.2	6.0	6.0	
67	<i>L. sericata</i>	6.5	6.5	7.0	6.7	6.7	6.2	6.2	6.8	6.8	6.8	7.0	6.8	6.7	7.0	6.7	6.7	7.0	6.7	7.0	6.8	6.8	6.5	7.0	6.7	7.0	7.0	6.2	5.7	5.7	
68	<i>L. sericata</i>	6.5	6.5	7.0	6.7	6.7	6.2	6.2	7.1	7.1	7.1	7.3	7.1	7.0	7.3	7.0	7.0	7.0	7.3	7.0	7.3	7.1	7.1	6.8	7.3	7.0	7.3	7.3	6.2	6.0	6.0
69	<i>L. sericata</i> <sup>k</sup>	6.7	6.7	7.1	6.8	6.8	6.3	6.3	7.3	7.3	7.3	7.5	7.3	7.1	7.5	7.1	7.1	7.1	7.5	7.1	7.5	7.3	7.3	7.0	7.5	7.1	7.5	7.5	6.3	6.2	6.2
70	<i>L. sericata</i> <sup>l</sup>	6.0	6.0	6.5	6.2	6.2	5.7	5.7	6.7	6.7	6.7	6.8	6.7	6.5	6.8	6.5	6.5	6.5	6.8	6.5	6.8	6.7	6.7	6.3	6.8	6.5	6.8	6.8	5.7	5.8	5.8
71	<i>L. sericata</i> <sup>m</sup>	6.3	6.3	6.8	6.5	6.5	6.0	6.0	7.0	7.0	7.0	7.1	7.0	6.8	7.1	6.8	6.8	6.8	7.1	6.8	7.1	7.0	7.0	6.7	7.1	6.8	7.1	6.3	5.8	5.8	
72	<i>L. richardst</i> <sup>n</sup>	6.5	6.5	6.7	6.7	6.7	6.5	6.2	6.5	6.5	6.5	6.5	6.7	6.5	6.7	6.7	6.3	6.3	6.7	6.7	6.5	6.5	6.5	6.7	6.7	6.7	6.7	6.5	5.0	5.0	5.0
73	<i>L. ampullacea</i> <sup>o</sup>	6.3	6.3	6.3	6.2	6.2	6.2	5.8	5.4	5.4	5.4	5.5	5.7	5.5	5.5	5.5	5.2	5.4	5.5	5.5	5.2	5.7	5.7	5.7	5.7	5.8	5.8	5.8	6.3	8.4	8.4
74	<i>L. ampullacea</i> <sup>o</sup>	6.3	6.3	6.3	6.2	6.2	6.2	5.8	5.4	5.4	5.4	5.5	5.7	5.5	5.5	5.5	5.2	5.4	5.5	5.5	5.2	5.7	5.7	5.7	5.7	5.8	5.8	5.8	6.3	8.4	8.4
75	<i>L. ampullacea</i> <sup>o</sup>	6.2	6.2	6.5	6.0	6.0	6.3	6.0	5.5	5.5	5.5	5.7	5.8	5.7	5.7	5.7	5.4	5.5	5.7	5.7	5.4	5.8	5.8	5.8	5.8	6.0	6.0	6.0	6.2	8.4	8.4
76	<i>L. ampullacea</i> <sup>o</sup>	6.2	6.2	6.2	6.0	6.0	6.3	5.7	5.5	5.5	5.5	5.7	5.8	5.7	5.7	5.7	5.4	5.5	5.7	5.7	5.4	5.8	5.8	5.8	5.8	6.0	6.0	6.0	6.2	8.6	8.6
77	<i>L. ampullacea</i> <sup>o</sup>	6.2	6.2	6.2	6.0	6.0	6.0	5.7	5.2	5.2	5.2	5.4	5.5	5.4	5.4	5.4	5.0	5.2	5.4	5.4	5.0	5.5	5.5	5.5	5.5	5.7	5.7	5.7	6.2	8.3	8.3
78	<i>L. ampullacea</i> <sup>o</sup>	6.5	6.5	6.5	6.3	6.3	6.3	6.0	5.5	5.5	5.5	5.7	5.8	5.7	5.7	5.7	5.4	5.5	5.7	5.7	5.4	5.8	5.8	5.8	5.8	6.0	6.0	6.0	6.5	8.6	8.6
79	<i>L. ampullacea</i> <sup>o</sup>	6.5	6.5	6.5	6.3	6.3	6.3	6.0	5.5	5.5	5.5	5.4	5.8	5.7	5.7	5.7	5.4	5.5	5.7	5.7	5.4	5.8	5.8	5.8	5.5	6.0	6.0	6.0	6.5	8.3	8.3
80	<i>L. ampullacea</i> <sup>o</sup>	6.5	6.5	6.5	6.3	6.3	6.3	6.0	5.5	5.5	5.5	5.7	5.8	5.7	5.7	5.7	5.4	5.5	5.7	5.7	5.4	5.5	5.8	5.8	5.8	5.7	6.0	6.0	6.5	8.6	8.6
81	<i>L. ampullacea</i> <sup>o</sup>	6.5	6.5	6.5	6.3	6.3	6.3	6.0	5.5	5.5	5.5	5.7	5.8	5.7	5.7	5.7	5.4	5.5	5.7	5.7	5.4	5.8	5.8	5.8	5.8	6.0	6.0	6.0	6.5	8.6	8.6
82	<i>L. ampullacea</i> <sup>o</sup>	6.5	6.5	6.5	6.3	6.3	6.3	6.0	5.5	5.5	5.5	5.7	5.8	5.7	5.7	5.7	5.4	5.5	5.7	5.7	5.4	5.8	5.8	5.8	5.8	6.0	6.0	6.0	6.5	8.6	8.6
83	<i>L. ampullacea</i> <sup>o</sup>	6.3	6.3	6.3	6.2	6.2	6.5	5.8	5.7	5.7	5.7	5.8	6.0	5.8	5.8	5.8	5.5	5.7	5.8	5.8	5.5	6.0	6.0	6.0	6.0	6.2	6.2	6.2	6.3	8.6	8.6
84	<i>L. ampullacea</i> <sup>o</sup>	6.0	6.0	6.0	5.8	5.8	6.2	5.5	5.4	5.4	5.4	5.5	5.7	5.5	5.5	5.5	5.2	5.4	5.5	5.5	5.2	5.7	5.7	5.7	5.7	5.8	5.8	5.8	6.0	8.4	8.4
85	<i>L. silvarum</i> <sup>o</sup>	7.6	7.6	7.8	7.8	7.8	7.6	7.3	7.3	7.3	7.5	7.3	7.5	7.5	7.1	7.1	7.1	7.5	7.5	7.5	7.3	7.3	7.3	7.5	7.5	7.5	7.5	7.6	6.2	6.2	6.2
86	<i>L. silvarum</i> <sup>o</sup>	7.8	7.8	8.0	8.0	8.0	7.8	7.5	7.5	7.5	7.5	7.6	7.5	7.6	7.6	7.3	7.3	7.6	7.6	7.6	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.8	6.3	6.3
87	<i>L. caesar</i> <sup>o</sup>	1.1	1.1	1.1	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.4	2.6	2.8	2.8	2.8	2.8	2.4	2.8	2.3	2.4	2.6	2.6	2.3	2.6	2.4	2.8	2.8	1.1	7.0	7.0
88	<i>L. caesar</i> <sup>o</sup>	0.2	0.2	0.8	0.3	0.3	0.6	0.3	2.9	2.9	2.9	3.1	2.9	2.8	3.1	3.1	3.1	2.8	3.1	2.8	2.8	2.9	2.9	2.6	3.2	2.8	3.1	3.1	0.2	7.6	7.6
89	<i>L. caesar</i> <sup>o</sup>	0.2	0.2	0.8	0.3	0.3	0.6	0.3	2.9	2.9	2.9	3.1	2.9	2.8	3.1	3.1	3.1	2.8	3.1	2.8	2.8	2.9	2.9	2.6	3.2	2.8	3.1	3.1	0.2	7.6	7.6
90	<i>L. caesar</i> <sup>o</sup>	1.0	1.0	1.0	1.1	1.1	1.1	1.1	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.0	7.1	7.1
91	<i>L. caesar</i> <sup>o</sup>	1.0	1.0	1.0	1.1	1.1	1.1	1.1	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	1.0	7.1	7.1	
92	<i>L. caesar</i> <sup>o</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.4	2.4	2.4	2.3	2.4	2.6	2.6	2.6	2.6	2.3	2.6	2.1	2.3	2.4	2.4	2.1	2.4	2.3	2.6	2.6	1.3	6.8	6.8
93	<i>L. caesar</i> <sup>o</sup>	1.3	1.3	1.3	1.1	1.5	1.5	1.5	2.4	2.4	2.4	2.3	2.8	2.6	2.6	2.6	2.6	2.3	2.6	2.1	2.3	2.4	2.8	2.4	2.4	2.3	2.9	2.9	1.3	7.1	7.1

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.



**Material suplementario / Supplementary material**

**Table S52. (Continued)**

		125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154
94	<i>L. caesar</i> <sup>(f)</sup>	1.3	1.3	1.3	1.5	1.5	1.1	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	7.1	7.1
95	<i>L. caesar</i> <sup>(g)</sup>	0.6	0.3	1.3	0.8	0.8	0.2	0.8	2.8	2.8	2.8	2.9	2.8	2.6	2.9	2.9	2.9	2.6	2.9	2.6	2.6	2.8	2.8	2.4	3.1	2.6	2.9	2.9	0.6	7.8	7.8
96	<i>L. caesar</i> <sup>(h)</sup>	2.9	2.6	2.9	2.8	2.8	2.4	2.8	0.2	0.2	0.2	0.3	0.5	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	2.9	7.6	7.6
97	<i>L. caesar</i> <sup>(i)</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	7.1	7.1
98	<i>L. caesar</i> <sup>(j)</sup>	1.3	1.3	1.0	1.5	1.5	1.1	1.1	2.4	2.4	2.4	2.3	2.4	2.6	2.6	2.6	2.6	2.3	2.6	2.1	2.3	2.4	2.4	2.1	2.4	2.3	2.6	2.6	1.3	7.0	7.0
99	<i>L. caesar</i> <sup>(k)</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	6.8	6.8
100	<i>L. caesar</i> <sup>(l)</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	6.8	6.8
101	<i>L. caesar</i> <sup>(m)</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	7.1	7.1
102	<i>L. caesar</i> <sup>(n)</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	7.1	7.1
103	<i>L. caesar</i> <sup>(o)</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	7.1	7.1
104	<i>L. caesar</i> <sup>(p)</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	7.1	7.1
105	<i>L. caesar</i> <sup>(q)</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	7.1	7.1
106	<i>L. caesar</i> <sup>(r)</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	7.1	7.1
107	<i>L. caesar</i> <sup>(s)</sup>	1.3	1.3	1.3	1.5	1.5	1.5	1.5	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.3	6.8	6.8
108	<i>L. caesar</i> <sup>(t)</sup>	0.8	0.8	0.8	1.0	1.0	1.3	1.0	2.9	2.9	2.9	2.8	2.9	3.1	3.1	3.1	3.1	2.8	3.1	2.6	2.8	2.9	2.9	2.6	2.9	2.8	3.1	3.1	0.8	7.3	7.3
109	<i>L. caesar</i> <sup>(u)</sup>	0.8	0.8	0.8	1.0	1.0	1.3	1.0	2.9	2.9	2.9	2.8	2.9	3.1	3.1	3.1	3.1	2.8	3.1	2.6	2.8	2.9	2.9	2.6	2.9	2.8	3.1	3.1	0.8	7.3	7.3
110	<i>L. caesar</i> <sup>(v)</sup>	1.1	1.1	1.1	1.3	1.3	1.3	1.3	2.3	2.3	2.3	2.4	2.3	2.4	2.4	2.4	2.4	2.4	1.9	2.1	2.3	2.3	1.9	2.6	2.1	2.4	2.4	1.1	7.3	7.3	
111	<i>L. caesar</i> <sup>(w)</sup>	1.5	1.5	0.8	1.6	1.6	1.3	1.3	2.6	2.6	2.6	2.4	2.6	2.8	2.8	2.8	2.8	2.4	2.8	2.3	2.4	2.6	2.6	2.3	2.6	2.4	2.8	2.8	1.5	7.1	7.1
112	<i>L. caesar</i> <sup>(x)</sup>	1.5	1.5	1.5	1.6	1.6	1.3	1.6	2.9	2.9	2.9	2.8	2.9	3.1	3.1	3.1	3.1	2.8	3.1	2.6	2.8	2.6	2.9	2.6	2.9	2.4	3.1	3.1	1.5	7.3	7.3
113	<i>L. caesar</i> <sup>(y)</sup>	1.1	0.8	1.1	1.3	1.3	1.0	1.3	2.6	2.6	2.6	2.4	2.6	2.8	2.8	2.8	2.8	2.4	2.8	2.3	2.4	2.6	2.6	2.3	2.6	2.4	2.8	2.8	1.1	7.3	7.3
114	<i>L. caesar</i> <sup>(z)</sup>	1.1	1.1	0.8	1.3	1.3	1.0	1.0	2.6	2.6	2.6	2.4	2.6	2.8	2.8	2.8	2.8	2.4	2.8	2.3	2.4	2.6	2.6	2.3	2.6	2.4	2.8	2.8	1.1	7.1	7.1
115	<i>L. caesar</i> <sup>(aa)</sup>	1.0	1.0	1.0	1.1	1.1	1.5	1.1	2.8	2.8	2.8	2.6	2.8	2.9	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	2.8	2.6	2.9	2.9	1.0	7.1	7.1
116	<i>L. caesar</i> <sup>(ab)</sup>	1.6	1.6	1.3	1.8	1.8	1.5	1.5	2.1	2.1	2.1	1.9	2.1	2.3	2.3	2.3	1.9	2.3	1.8	2.3	2.1	2.1	1.8	2.1	1.9	2.3	2.3	1.6	7.0	7.0	
117	<i>L. caesar</i> <sup>(ac)</sup>	1.0	1.0	1.0	1.1	1.1	1.5	1.1	3.1	3.1	3.1	2.9	3.1	3.2	3.2	3.2	3.2	2.9	3.2	2.8	2.9	3.1	3.1	2.8	3.1	2.9	3.2	3.2	1.0	7.5	7.5
118	<i>L. caesar</i> <sup>(ad)</sup>	1.3	1.3	0.6	1.5	1.5	1.1	1.1	2.4	2.4	2.4	2.6	2.4	2.6	2.6	2.6	2.6	2.3	2.6	2.1	2.3	2.4	2.4	2.1	2.8	2.3	2.6	2.6	1.3	7.3	7.3
119	<i>L. caesar</i> <sup>(ae)</sup>	1.5	1.5	0.5	1.6	1.6	1.3	1.3	2.6	2.6	2.6	2.4	2.6	2.8	2.8	2.8	2.8	2.4	2.8	2.3	2.4	2.6	2.6	2.3	2.6	2.4	2.8	2.8	1.5	7.5	7.5
120	<i>L. caesar</i> <sup>(af)</sup>	1.1	1.1	1.1	1.3	1.3	1.6	1.3	2.6	2.6	2.6	2.4	2.6	2.8	2.8	2.8	2.8	2.8	2.3	2.4	2.6	2.6	2.3	2.6	2.4	2.8	2.8	1.1	7.3	7.3	
121	<i>L. caesar</i> <sup>(ag)</sup>	0.8	0.8	0.8	1.0	1.0	1.3	1.0	2.9	2.9	2.9	2.8	2.9	3.1	3.1	3.1	3.1	2.8	3.1	2.6	2.8	2.9	2.9	2.6	2.9	2.8	3.1	3.1	0.8	7.6	7.6
122	<i>L. caesar</i> <sup>(ah)</sup>	0.6	0.6	1.3	0.8	0.8	0.8	0.8	2.4	2.4	2.4	2.6	2.4	2.3	2.6	2.6	2.6	2.3	2.6	2.3	2.3	2.4	2.4	2.1	2.8	2.3	2.6	0.6	7.1	7.1	
123	<i>L. caesar</i> <sup>(ai)</sup>	1.0	1.0	1.0	1.1	1.1	1.5	1.1	3.1	3.1	3.1	3.2	3.1	3.2	3.2	3.2	3.2	2.9	3.2	2.8	2.9	3.1	3.1	2.8	3.4	2.9	3.2	3.2	1.0	7.8	7.8
124	<i>L. caesar</i> <sup>(aj)</sup>	0.3	0.3	1.0	0.5	0.5	0.8	0.5	3.1	3.1	3.1	3.2	3.1	2.9	3.2	3.2	3.2	2.9	3.2	2.9	2.9	3.1	3.1	2.8	3.4	2.9	3.2	3.2	0.3	7.8	7.8

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

Material suplementario / Supplementary material

Table S52. (Continued)

	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154		
125	<i>L. caesar</i> <sup>a</sup>	—	0.3	1.0	0.2	0.5	0.8	0.5	3.1	3.1	3.1	3.2	3.1	2.9	3.2	3.2	3.2	2.9	3.2	2.9	2.9	3.1	3.1	2.8	3.4	2.9	3.2	3.2	0.3	7.8	7.8	
126	<i>L. caesar</i> <sup>ak</sup>	2	—	1.0	0.5	0.5	0.5	2.8	2.8	2.8	2.9	2.8	2.6	2.9	2.9	2.9	2.6	2.9	2.6	2.6	2.8	2.8	2.4	3.1	2.6	2.9	2.9	0.3	7.8	7.8		
127	<i>L. caesar</i> <sup>al</sup>	6	6	—	1.1	1.1	1.1	0.8	2.8	2.8	2.8	2.9	2.8	2.9	2.9	2.9	2.6	2.9	2.4	2.6	2.8	2.8	2.4	3.1	2.6	2.9	2.9	1.0	8.0	8.0		
128	<i>L. caesar</i> <sup>am</sup>	1	3	7	—	0.6	1.0	0.6	2.9	2.9	2.9	3.1	3.2	2.8	3.1	3.1	3.1	2.8	3.1	2.8	2.8	2.9	3.2	2.9	3.2	2.8	3.4	3.4	0.5	8.0	8.0	
129	<i>L. caesar</i> <sup>an</sup>	3	3	7	4	—	1.0	0.6	2.9	2.9	2.9	3.1	2.9	2.8	3.1	3.1	3.1	2.8	3.1	2.8	2.8	3.2	2.9	2.6	3.2	3.1	3.1	3.1	0.5	8.0	8.0	
130	<i>L. caesar</i> <sup>ao</sup>	5	3	7	6	6	—	0.6	2.6	2.6	2.6	2.8	2.6	2.4	2.8	2.8	2.8	2.4	2.8	2.4	2.4	2.6	2.6	2.3	2.9	2.4	2.8	2.8	0.8	7.8	7.8	
131	<i>L. caesar</i> <sup>ap</sup>	3	3	5	4	4	4	—	2.9	2.9	2.9	3.1	2.9	2.8	3.1	3.1	3.1	2.8	3.1	2.8	2.8	2.9	2.9	2.6	3.2	2.8	3.1	3.1	0.5	7.5	7.5	
132	<i>L. caesar</i> <sup>aq</sup>	19	17	17	18	18	16	18	—	0.0	0.0	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.5	0.5	0.5	3.1	7.8	7.8	
133	<i>L. illustris</i> <sup>a</sup>	19	17	17	18	18	16	18	0	—	0.0	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.5	0.5	0.5	3.1	7.8	7.8	
134	<i>L. illustris</i> <sup>ab</sup>	19	17	17	18	18	16	18	0	0	—	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.5	0.5	0.5	3.1	7.8	7.8	
135	<i>L. illustris</i> <sup>ab</sup>	20	18	18	19	19	17	19	1	1	1	—	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.2	0.6	0.6	0.6	3.2	7.6	7.6	
136	<i>L. illustris</i> <sup>ac</sup>	19	17	17	20	18	16	18	2	2	2	3	—	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.3	0.3	0.6	0.8	0.2	0.5	3.1	7.8	7.8	
137	<i>L. illustris</i> <sup>d</sup>	18	16	18	17	17	15	17	1	1	1	2	3	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	2.9	7.6	7.6	
138	<i>L. illustris</i> <sup>e</sup>	20	18	18	19	19	17	19	1	1	1	2	3	2	—	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	3.2	8.0	8.0	
139	<i>L. illustris</i> <sup>f</sup>	20	18	18	19	19	17	19	1	1	1	2	3	2	2	—	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	3.2	7.6	7.6	
140	<i>L. illustris</i> <sup>g</sup>	20	18	18	19	19	17	19	1	1	1	2	3	2	2	—	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	3.2	7.6	7.6	
141	<i>L. illustris</i> <sup>h</sup>	18	16	16	17	17	15	17	1	1	1	2	3	2	2	2	—	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	2.9	7.6	7.6	
142	<i>L. illustris</i> <sup>i</sup>	20	18	18	19	19	17	19	1	1	1	2	3	2	2	2	2	—	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	3.2	8.0	8.0	
143	<i>L. illustris</i> <sup>j</sup>	18	16	15	17	17	15	17	1	1	1	2	3	2	2	2	2	2	—	0.3	0.3	0.5	0.5	0.2	0.5	0.3	0.6	0.6	2.9	7.8	7.8	
144	<i>L. illustris</i> <sup>k</sup>	18	16	16	17	17	15	17	1	1	1	2	3	2	2	2	2	2	2	—	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	2.9	7.6	7.6	
145	<i>L. illustris</i> <sup>l</sup>	19	17	17	18	20	16	18	2	2	2	3	4	3	3	3	3	3	3	3	3	—	0.6	0.6	0.6	0.6	0.2	0.8	3.1	7.8	7.8	
146	<i>L. illustris</i> <sup>m</sup>	19	17	17	20	18	16	18	2	2	2	3	2	3	3	3	3	3	3	3	3	4	—	0.3	0.6	0.8	0.5	0.2	3.1	7.8	7.8	
147	<i>L. illustris</i> <sup>n</sup>	17	15	15	18	16	14	16	2	2	2	3	2	3	3	3	3	3	3	3	3	4	2	—	0.6	0.5	0.5	2.8	7.8	7.8		
148	<i>L. illustris</i> <sup>o</sup>	21	19	19	20	18	20	2	2	2	2	1	4	3	3	3	3	3	3	3	3	4	4	4	—	0.8	0.8	0.8	3.4	7.6	7.6	
149	<i>L. illustris</i> <sup>p</sup>	18	16	16	17	19	15	17	3	3	3	4	5	4	4	4	4	4	4	4	2	4	1	5	3	5	—	1.0	1.0	2.9	8.0	8.0
150	<i>L. illustris</i> <sup>q</sup>	20	18	18	21	19	17	19	3	3	3	4	1	4	4	4	4	4	4	4	4	4	5	3	3	5	6	—	0.6	3.2	8.0	8.0
151	<i>L. illustris</i> <sup>r</sup>	20	18	18	21	19	17	19	3	3	3	4	3	4	4	4	4	4	4	4	4	5	1	3	5	6	4	—	3.2	7.8	7.8	
152	<i>L. illustris</i> <sup>s</sup>	2	2	6	3	3	5	3	19	19	19	20	19	18	20	20	20	18	20	18	18	19	19	17	21	18	20	20	—	7.8	7.8	
153	<i>L. bufonivora</i> <sup>a</sup>	48	48	49	49	49	48	46	48	48	48	47	48	47	49	47	47	47	49	48	47	48	48	48	47	49	49	48	48	—	0.0	
154	<i>L. bufonivora</i> <sup>a</sup>	48	48	49	49	49	48	46	48	48	48	47	48	47	49	47	47	47	49	48	47	48	48	48	47	49	49	48	48	0	—	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX; <sup>u</sup> Haplotype HXXI; <sup>v</sup> Haplotype HXXII; <sup>w</sup> Haplotype HXXIII; <sup>x</sup> Haplotype HXXIV; <sup>y</sup> Haplotype HXXV; <sup>z</sup> Haplotype HXXVI; <sup>aa</sup> Haplotype HXXVII; <sup>ab</sup> Haplotype HXXVIII; <sup>ac</sup> Haplotype HXXIX; <sup>ad</sup> Haplotype HXXX; <sup>ae</sup> Haplotype HXXXI; <sup>af</sup> Haplotype HXXXII; <sup>ag</sup> Haplotype HXXXIII; <sup>ah</sup> Haplotype HXXXIV; <sup>ai</sup> Haplotype HXXXV; <sup>aj</sup> Haplotype HXXXVI; <sup>ak</sup> Haplotype HXXXVII; <sup>al</sup> Haplotype HXXXVIII; <sup>am</sup> Haplotype HXXXIX; <sup>an</sup> Haplotype HXXXX; <sup>ao</sup> Haplotype HXXXXI; <sup>ap</sup> Haplotype HXXXXII; <sup>aq</sup> Haplotype HXXXXIII.

**Material suplementario / Supplementary material**

**Table S53.** Pairwise sequence divergence between the studied Calliphoridae (*Ch. albiceps*\*, *C. vicina*\*, *C. vomitoria*\*, *L. sericata*\*, *L. richardsi*\*, *L. ampullacea*\*, *L. silvarum*\*, *L. caesar*\*, *L. illustris*\* and *L. bufonivora*\*) haplotypes for the Cyt-b (307 bp). GenBank database sequences for the studied species were included for comparison purposes. The brackets in the superscript indicate more than one sequence with same haplotype (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	<i>Ch. albiceps</i> <sup>a)</sup>	—	0.0	0.3	0.7	9.1	9.1	9.4	9.4	9.4	9.4	8.8	8.8	9.4	9.4	9.1	9.4	8.8	9.4	9.4	8.8	9.4	9.4	9.4	9.1	8.8
2	<i>Ch. albiceps</i> <sup>b)</sup>	0	—	0.3	0.7	9.1	9.1	9.4	9.4	9.4	9.4	8.8	8.8	9.4	9.4	9.1	9.4	8.8	9.4	9.4	8.8	9.4	9.4	9.4	9.1	8.8
3	<i>Ch. albiceps</i> <sup>b)</sup>	1	1	—	0.3	9.4	9.4	9.8	9.8	9.8	9.8	9.1	9.1	9.8	9.8	9.4	9.8	9.1	9.8	9.8	9.1	9.8	9.8	9.8	9.4	9.1
4	<i>Ch. albiceps</i> <sup>c)</sup>	2	2	1	—	9.1	9.1	9.4	9.4	9.4	8.8	8.8	9.4	9.4	9.1	9.4	8.8	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.1	8.8
5	<i>C. vicina</i> <sup>a)</sup>	28	28	29	28	—	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6	<i>C. vicina</i> <sup>a)</sup>	28	28	29	28	0	—	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7	<i>C. vicina</i> <sup>b)</sup>	29	29	30	29	1	1	—	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	<i>C. vicina</i> <sup>b)</sup>	29	29	30	29	1	1	0	—	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
9	<i>C. vicina</i> <sup>c)</sup>	29	29	30	29	1	1	2	2	—	0.0	0.7	0.7	0.7	0.7	1.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
10	<i>C. vicina</i> <sup>c)</sup>	29	29	30	29	1	1	2	2	0	—	0.7	0.7	0.7	0.7	1.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
11	<i>C. vicina</i> <sup>d)</sup>	27	27	28	27	1	1	2	2	2	—	0.0	0.7	0.7	0.7	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
12	<i>C. vicina</i> <sup>d)</sup>	27	27	28	27	1	1	2	2	2	0	—	0.7	0.7	0.7	1.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
13	<i>C. vicina</i> <sup>e)</sup>	29	29	30	29	1	1	2	2	2	2	2	—	0.0	0.7	1.0	0.7	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7
14	<i>C. vicina</i> <sup>e)</sup>	29	29	30	29	1	1	2	2	2	2	2	0	—	0.7	1.0	0.7	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7
15	<i>C. vicina</i> <sup>f)</sup>	28	28	29	28	2	2	3	3	3	3	3	2	2	—	1.0	0.3	0.3	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16	<i>C. vicina</i> <sup>g)</sup>	29	29	30	29	3	3	4	4	4	4	2	2	3	3	3	—	1.3	0.7	0.7	1.3	1.3	1.3	1.3	1.3	
17	<i>C. vicina</i> <sup>h)</sup>	27	27	28	27	1	1	2	2	2	2	2	2	2	2	1	4	—	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
18	<i>C. vicina</i>	29	29	30	29	1	1	2	2	2	2	2	2	2	1	1	2	2	—	0.0	0.7	0.7	0.7	0.7	0.7	0.7
19	<i>C. vicina</i> <sup>i)</sup>	29	29	30	29	1	1	2	2	2	2	2	2	1	1	1	2	2	0	—	0.7	0.7	0.7	0.7	0.7	0.7
20	<i>C. vicina</i> <sup>j)</sup>	27	27	28	29	1	1	2	2	2	2	2	2	2	2	3	4	2	2	2	—	0.7	0.7	0.7	0.7	
21	<i>C. vicina</i> <sup>k)</sup>	29	29	30	29	1	1	2	2	2	2	2	2	2	2	3	4	2	2	2	2	—	0.7	0.7	0.7	
22	<i>C. vicina</i> <sup>l)</sup>	29	29	30	29	1	1	2	2	2	2	2	2	2	2	3	4	2	2	2	2	2	—	0.7	0.7	
23	<i>C. vicina</i> <sup>m)</sup>	29	29	30	29	1	1	2	2	2	2	2	2	2	2	3	4	2	2	2	2	2	2	—	0.7	
24	<i>C. vicina</i> <sup>n)</sup>	28	28	29	28	1	1	2	2	2	2	2	2	2	2	3	4	2	2	2	2	2	2	2	—	
25	<i>C. vicina</i> <sup>o)</sup>	27	27	28	27	1	1	2	2	2	2	2	2	2	2	3	4	2	2	2	2	2	2	2	2	—

<sup>a)</sup> Haplotype HI; <sup>b)</sup> Haplotype HII; <sup>c)</sup> Haplotype HIII; <sup>d)</sup> Haplotype HIV; <sup>e)</sup> Haplotype HV; <sup>f)</sup> Haplotype HVI; <sup>g)</sup> Haplotype HVII; <sup>h)</sup> Haplotype HVIII; <sup>i)</sup> Haplotype HIX; <sup>j)</sup> Haplotype HX; <sup>k)</sup> Haplotype HXI; <sup>l)</sup> Haplotype HXII; <sup>m)</sup> Haplotype HXIII; <sup>n)</sup> Haplotype HXIV; <sup>o)</sup> Haplotype HXV; <sup>p)</sup> Haplotype HXVI; <sup>q)</sup> Haplotype HXVII; <sup>r)</sup> Haplotype HXVIII; <sup>s)</sup> Haplotype HXIX; <sup>t)</sup> Haplotype HXX.

Table S53. (Continued)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
26	<i>C. vicina</i> <sup>p</sup>	29	29	30	29	1	1	2	2	2	2	2	2	2	2	3	4	2	2	2	2	2	2	2	2	2	2
27	<i>C. vicina</i> <sup>q</sup>	30	30	31	30	2	2	3	3	3	3	3	3	2	2	2	3	3	1	1	3	3	1	3	3	3	3
28	<i>C. vicina</i> <sup>r</sup>	30	30	31	30	2	2	3	3	3	3	3	3	2	2	2	3	3	1	1	3	3	3	3	3	3	3
29	<i>C. vicina</i> <sup>s</sup>	26	26	27	26	2	2	3	3	3	3	1	1	3	3	2	3	1	3	3	3	3	3	3	3	3	3
30	<i>C. vicina</i> <sup>t</sup>	28	28	29	28	2	2	3	3	3	3	1	1	3	3	4	1	3	3	3	3	3	3	3	3	3	3
31	<i>C. vomitoria</i> <sup>a</sup>	30	30	31	32	11	11	12	12	12	12	10	10	12	12	13	11	12	12	12	10	12	12	12	10	10	10
32	<i>C. vomitoria</i> <sup>*a</sup>	30	30	31	32	11	11	12	12	12	12	10	10	12	12	13	11	12	12	10	12	12	12	12	10	10	10
33	<i>C. vomitoria</i> <sup>b</sup>	31	31	32	31	10	10	11	11	11	11	9	9	11	11	12	10	11	11	11	11	11	11	11	9	9	9
34	<i>C. vomitoria</i> <sup>*b</sup>	31	31	32	31	10	10	11	11	11	11	9	9	11	11	12	10	11	11	11	11	11	11	11	9	9	9
35	<i>C. vomitoria</i> <sup>c</sup>	31	31	32	33	12	12	13	13	13	13	11	11	13	13	14	12	13	13	13	11	13	13	11	11	11	11
36	<i>C. vomitoria</i> <sup>c</sup>	31	31	32	33	12	10	13	13	13	13	11	11	13	13	14	12	13	13	13	11	13	13	11	11	11	11
37	<i>C. vomitoria</i> <sup>d</sup>	30	30	31	30	11	11	12	12	12	12	10	10	12	12	13	11	12	12	12	12	12	12	12	10	10	10
38	<i>L. sericata</i> <sup>a</sup>	24	24	25	26	24	24	25	25	25	25	23	23	25	25	24	25	23	25	25	23	25	25	24	23	23	23
39	<i>L. sericata</i> <sup>*a</sup>	24	24	25	26	24	24	25	25	25	25	23	23	25	25	24	25	23	25	25	23	25	25	24	23	23	23
40	<i>L. sericata</i> <sup>b</sup>	25	25	26	27	25	25	26	26	26	26	24	24	26	26	25	26	24	26	26	24	26	26	25	24	24	24
41	<i>L. sericata</i> <sup>c</sup>	24	24	25	26	25	25	26	26	26	26	24	24	26	26	25	26	24	26	26	24	26	26	25	24	24	24
42	<i>L. sericata</i> <sup>*d</sup>	23	23	24	25	23	23	24	24	24	24	22	22	24	24	23	24	22	24	24	22	24	24	24	23	22	22
43	<i>L. sericata</i> <sup>p</sup>	24	24	25	26	25	25	26	26	26	26	24	24	26	26	25	26	24	26	26	24	26	26	25	24	24	24
44	<i>L. sericata</i> <sup>f</sup>	25	25	26	27	25	25	26	26	26	26	24	24	26	26	25	26	24	26	26	24	26	26	25	24	24	24
45	<i>L. richardsi</i> <sup>*a</sup>	32	32	33	32	26	26	25	25	27	27	25	25	27	27	26	25	25	27	27	27	27	27	26	25	25	25
46	<i>L. ampullacea</i> <sup>a</sup>	30	30	31	30	26	26	27	27	27	27	25	25	25	25	25	24	25	26	26	27	27	27	26	26	27	27
47	<i>L. ampullacea</i> <sup>*a</sup>	30	30	31	30	26	26	27	27	27	27	25	25	25	25	25	24	25	26	26	27	27	27	26	26	27	27
48	<i>L. ampullacea</i> <sup>b</sup>	31	31	32	31	27	27	28	28	28	28	26	26	26	26	26	25	26	27	27	28	28	28	27	27	28	28
49	<i>L. ampullacea</i> <sup>*c</sup>	31	31	32	31	27	27	28	28	28	28	26	26	26	26	26	25	26	27	27	28	28	28	28	27	27	28
50	<i>L. ampullacea</i> <sup>*d</sup>	32	32	33	32	28	28	29	29	29	29	27	27	27	27	27	26	27	28	28	29	29	29	28	28	28	29

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX.

**Material suplementario / Supplementary material**

**Table S53.** (Continued)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
51	<i>L. silvarum</i> <sup>(*a)</sup>	27	27	38	27	25	25	24	24	26	26	24	24	26	26	25	26	24	26	26	26	26	26	25	24	24
52	<i>L. silvarum</i> <sup>(*b)</sup>	28	28	29	28	24	24	23	23	25	25	23	23	25	25	24	25	23	25	25	25	25	25	24	23	23
53	<i>L. silvarum</i> <sup>(*c)</sup>	28	28	29	28	26	26	25	25	27	27	25	25	27	27	26	27	25	27	27	27	27	27	26	25	25
54	<i>L. caesa</i> <sup>(a)</sup>	27	27	28	27	21	21	22	22	22	22	20	20	22	22	21	21	20	22	22	22	22	22	21	22	20
55	<i>L. caesa</i> <sup>(*a)</sup>	27	27	28	27	21	21	22	22	22	22	20	20	22	22	21	21	20	22	22	22	22	22	21	22	20
56	<i>L. caesa</i> <sup>(*b)</sup>	28	28	29	28	22	22	23	23	23	21	21	21	22	22	20	20	21	21	21	21	23	23	22	23	21
57	<i>L. caesa</i> <sup>(*c)</sup>	27	27	28	27	21	21	22	22	22	22	20	20	22	22	21	21	20	22	22	22	22	22	21	22	20
58	<i>L. caesa</i> <sup>(d)</sup>	27	27	28	27	23	23	24	24	24	24	22	22	23	23	21	21	22	22	22	24	24	24	23	23	22
59	<i>L. caesa</i> <sup>(*d)</sup>	27	27	28	27	23	23	24	24	24	24	22	22	23	23	21	21	22	22	22	24	24	24	23	23	22
60	<i>L. caesa</i> <sup>(e)</sup>	25	25	26	25	21	21	22	22	22	22	20	20	22	22	21	21	20	22	22	22	22	22	21	21	20
61	<i>L. caesa</i> <sup>(f)</sup>	26	26	27	26	22	22	23	23	23	23	21	21	23	23	22	22	21	23	23	23	23	23	22	23	21
62	<i>L. caesa</i> <sup>(g)</sup>	26	26	27	26	20	20	21	21	21	21	19	19	21	21	20	20	19	21	21	21	21	21	20	21	19
63	<i>L. caesa</i> <sup>(h)</sup>	28	28	29	28	22	22	23	23	23	23	21	21	22	22	20	20	21	21	21	23	23	23	22	23	21
64	<i>L. caesa</i> <sup>(i)</sup>	26	26	27	26	20	20	21	21	21	21	19	19	21	21	20	20	19	21	21	21	21	21	20	21	19
65	<i>L. caesa</i> <sup>(j)</sup>	26	26	27	26	22	22	23	23	23	23	21	21	23	23	22	22	21	23	23	23	23	23	22	22	21
66	<i>L. caesa</i> <sup>(k)</sup>	26	26	27	26	22	22	23	23	23	23	21	21	23	23	22	22	21	23	23	23	23	23	22	22	21
67	<i>L. caesa</i> <sup>(l)</sup>	27	27	28	27	21	21	22	22	22	22	20	20	22	22	21	21	20	22	22	22	22	22	21	22	20
68	<i>L. caesa</i> <sup>(m)</sup>	28	28	29	28	23	23	24	24	24	24	22	22	23	23	21	21	22	22	22	24	24	24	23	24	22
69	<i>L. caesa</i> <sup>(n)</sup>	28	28	29	28	22	22	23	23	23	23	21	21	23	23	22	22	21	23	23	23	23	23	22	23	21
70	<i>L. caesa</i> <sup>(o)</sup>	29	29	30	29	23	23	24	24	24	24	22	22	23	23	21	21	22	22	22	24	24	24	23	24	22
71	<i>L. illustris</i> <sup>(a)</sup>	26	26	27	26	22	22	23	23	23	23	21	21	23	23	22	22	21	23	23	23	23	23	22	23	21
72	<i>L. illustris</i> <sup>(*a)</sup>	26	26	27	26	22	22	23	23	23	23	21	21	23	23	22	22	21	23	23	23	23	23	22	23	21
73	<i>L. illustris</i> <sup>(*b)</sup>	26	26	27	26	22	22	23	23	23	23	21	21	23	23	22	22	21	23	23	23	23	23	22	23	21
74	<i>L. illustris</i> <sup>(*c)</sup>	26	26	27	28	24	24	25	25	25	25	23	23	24	24	22	22	23	23	23	23	25	25	24	25	23
75	<i>L. illustris</i> <sup>(*d)</sup>	27	27	28	27	23	23	24	24	24	24	22	22	24	24	23	23	22	24	24	24	24	24	23	24	22
76	<i>L. illustris</i> <sup>(e)</sup>	26	26	27	26	22	22	23	23	23	23	21	21	23	23	22	22	21	23	23	23	23	23	22	22	21
77	<i>L. bufonivora</i> <sup>(a)</sup>	29	29	30	29	27	27	28	28	28	28	26	26	28	28	27	28	26	28	28	28	28	28	26	27	26

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX.

Table S53. (Continued)

		26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	<i>Ch. albiceps</i> <sup>d</sup>	9.4	9.8	9.8	8.5	9.1	9.8	9.8	10.1	10.1	10.1	10.1	9.8	7.8	7.8	8.1	7.8	7.5	7.8	8.1	10.4	9.8	9.8	10.1	10.1	10.4
2	<i>Ch. albiceps</i> <sup>e</sup>	9.4	9.8	9.8	8.5	9.1	9.8	9.8	10.1	10.1	10.1	10.1	9.8	7.8	7.8	8.1	7.8	7.5	7.8	8.1	10.4	9.8	9.8	10.1	10.1	10.4
3	<i>Ch. albiceps</i> <sup>b</sup>	9.8	10.1	10.1	8.8	9.4	10.1	10.1	10.4	10.4	10.4	10.4	10.1	8.1	8.1	8.5	8.1	7.8	8.1	8.5	10.7	10.1	10.1	10.4	10.4	10.7
4	<i>Ch. albiceps</i> <sup>c</sup>	9.4	9.8	9.8	8.5	9.1	10.4	10.4	10.1	10.1	10.7	10.7	9.8	8.5	8.5	8.8	8.5	8.1	8.5	8.8	10.4	9.8	9.8	10.1	10.1	10.4
5	<i>C. vicina</i> <sup>a</sup>	0.3	0.7	0.7	0.7	0.7	3.6	3.6	3.3	3.3	3.9	3.9	3.6	7.8	7.8	8.1	8.1	7.5	8.1	8.1	8.5	8.5	8.5	8.8	8.8	9.1
6	<i>C. vicina</i> <sup>*a</sup>	0.3	0.7	0.7	0.7	0.7	3.6	3.6	3.3	3.3	3.9	3.3	3.6	7.8	7.8	8.1	8.1	7.5	8.1	8.1	8.5	8.5	8.5	8.8	8.8	9.1
7	<i>C. vicina</i> <sup>b</sup>	0.7	1.0	1.0	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.1	8.8	8.8	9.1	9.1	9.4
8	<i>C. vicina</i> <sup>*b</sup>	0.7	1.0	1.0	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.1	8.8	8.8	9.1	9.1	9.4
9	<i>C. vicina</i> <sup>c</sup>	0.7	1.0	1.0	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.8	8.8	8.8	9.1	9.1	9.4
10	<i>C. vicina</i> <sup>*c</sup>	0.7	1.0	1.0	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.8	8.8	8.8	9.1	9.1	9.4
11	<i>C. vicina</i> <sup>d</sup>	0.7	1.0	1.0	0.3	0.3	3.3	3.3	2.9	2.9	3.6	3.6	3.3	7.5	7.5	7.8	7.8	7.2	7.8	7.8	8.1	8.1	8.1	8.5	8.5	8.8
12	<i>C. vicina</i> <sup>*d</sup>	0.7	1.0	1.0	0.3	0.3	3.3	3.3	2.9	2.9	3.6	3.6	3.3	7.5	7.5	7.8	7.8	7.2	7.8	7.8	8.1	8.1	8.1	8.5	8.5	8.8
13	<i>C. vicina</i> <sup>e</sup>	0.7	0.7	0.7	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.8	8.1	8.1	8.5	8.5	8.8
14	<i>C. vicina</i> <sup>*e</sup>	0.7	0.7	0.7	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.8	8.1	8.1	8.5	8.5	8.8
15	<i>C. vicina</i> <sup>f</sup>	1.0	0.7	0.7	0.7	1.3	4.2	4.2	3.9	3.9	4.6	4.6	4.2	7.8	7.8	8.1	8.1	7.5	8.1	8.1	8.5	8.1	8.1	8.5	8.5	8.8
16	<i>C. vicina</i> <sup>g</sup>	1.3	1.0	1.0	1.0	0.3	3.6	3.6	3.3	3.3	3.9	3.9	3.6	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.1	7.8	7.8	8.1	8.1	8.5
17	<i>C. vicina</i> <sup>*h</sup>	0.7	1.0	1.0	0.3	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	7.5	7.5	7.8	7.8	7.2	7.8	7.8	8.1	8.1	8.1	8.5	8.5	8.8
18	<i>C. vicina</i>	0.7	0.3	0.3	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.8	8.5	8.5	8.8	8.8	9.1
19	<i>C. vicina</i> <sup>h</sup>	0.7	0.3	0.3	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.8	8.5	8.5	8.8	8.8	9.1
20	<i>C. vicina</i> <sup>i</sup>	0.7	1.0	1.0	1.0	1.0	3.3	3.3	3.6	3.6	3.6	3.6	3.9	7.5	7.5	7.8	7.8	7.2	7.8	7.8	8.8	8.8	8.8	9.1	9.1	9.4
21	<i>C. vicina</i> <sup>*k</sup>	0.7	1.0	1.0	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.8	8.8	8.8	9.1	9.1	9.4
22	<i>C. vicina</i> <sup>l</sup>	0.7	0.3	1.0	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.8	8.8	8.8	9.1	9.1	9.4
23	<i>C. vicina</i> <sup>*m</sup>	0.7	1.0	1.0	1.0	1.0	3.9	3.9	3.6	3.6	3.6	3.6	3.9	7.8	7.8	8.1	8.1	7.5	8.1	8.1	8.5	8.5	8.5	8.8	8.8	9.1
24	<i>C. vicina</i> <sup>*n</sup>	0.7	1.0	1.0	1.0	1.0	3.3	3.3	2.9	2.9	3.6	3.6	3.3	7.5	7.5	7.8	7.8	7.2	7.8	7.8	8.1	8.5	8.5	8.8	8.8	9.1
25	<i>C. vicina</i> <sup>*o</sup>	0.7	1.0	1.0	1.0	1.0	3.3	3.3	2.9	2.9	3.6	3.6	3.3	7.5	7.5	7.8	7.8	7.2	7.8	7.8	8.1	8.8	8.8	9.1	9.1	9.4

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX.

**Material suplementario / Supplementary material**

**Table S53.** (Continued)

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
26	<i>C. vicina</i> <sup>p</sup>	—	1.0	1.0	1.0	1.0	3.9	3.9	3.6	3.6	4.2	4.2	3.9	7.8	7.8	8.1	8.1	7.5	8.1	8.1	8.5	8.8	8.8	9.1	9.1	9.4
27	<i>C. vicina</i> <sup>q</sup>	3	—	0.7	1.3	1.3	4.2	4.2	3.9	3.9	4.6	4.6	4.2	8.5	8.5	8.8	8.8	8.1	8.8	8.8	9.1	8.8	8.8	9.1	9.1	9.4
28	<i>C. vicina</i> <sup>r</sup>	3	2	—	1.3	1.3	4.2	4.2	3.9	3.9	4.6	4.6	4.2	8.5	8.5	8.8	8.8	8.1	8.8	8.8	9.1	8.8	8.8	9.1	9.1	9.4
29	<i>C. vicina</i> <sup>s</sup>	3	4	4	—	0.7	3.6	3.6	3.3	3.3	3.9	3.9	3.6	7.2	7.2	7.5	7.5	6.8	7.5	7.5	7.8	7.8	7.8	8.1	8.1	8.5
30	<i>C. vicina</i> <sup>t</sup>	3	4	4	2	—	3.3	3.3	2.9	2.9	3.6	3.6	3.3	7.8	7.8	8.1	8.1	7.5	8.1	8.1	7.8	7.8	7.8	8.1	8.1	8.5
31	<i>C. vomitoria</i> <sup>a</sup>	12	13	13	11	10	—	0.0	0.3	0.3	0.3	0.3	0.7	7.8	7.8	8.1	8.1	7.5	8.1	8.1	8.8	8.1	8.1	8.5	8.5	8.8
32	<i>C. vomitoria</i> <sup>*a</sup>	12	13	13	11	10	0	—	0.3	0.3	0.3	0.3	0.7	7.8	7.8	8.1	8.1	7.5	8.1	8.1	8.8	8.1	8.1	8.5	8.5	8.8
33	<i>C. vomitoria</i> <sup>b</sup>	11	12	12	10	9	1	1	—	0.0	0.7	0.7	0.3	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.5	7.8	7.8	8.1	8.1	8.5
34	<i>C. vomitoria</i> <sup>*b</sup>	11	12	12	10	9	1	1	0	—	0.7	0.7	0.3	8.1	8.1	8.5	8.5	7.8	8.5	8.5	8.5	7.8	7.8	8.1	8.1	8.5
35	<i>C. vomitoria</i> <sup>c</sup>	13	14	14	12	11	1	1	2	2	—	0.0	1.0	7.8	7.8	8.1	8.1	7.5	8.1	8.1	8.8	8.1	8.1	8.5	8.5	8.8
36	<i>C. vomitoria</i> <sup>*c</sup>	13	14	14	12	11	1	1	2	2	0	—	1.0	7.8	7.8	8.1	8.1	7.5	8.1	8.1	8.8	8.1	8.1	8.5	8.5	8.8
37	<i>C. vomitoria</i> <sup>d</sup>	12	13	13	11	10	2	2	1	1	3	3	—	8.5	8.5	8.8	8.8	8.1	8.8	8.8	8.8	8.1	8.1	8.5	8.5	8.8
38	<i>L. sericata</i> <sup>a</sup>	24	26	26	22	24	24	24	25	25	24	24	26	—	0.0	0.3	0.7	0.3	0.3	0.3	3.3	7.2	7.2	7.5	7.5	7.5
39	<i>L. sericata</i> <sup>*a</sup>	24	26	26	22	24	24	24	25	25	24	24	26	0	—	0.3	0.7	0.3	0.3	0.3	3.3	7.2	7.2	7.5	7.5	7.5
40	<i>L. sericata</i> <sup>b</sup>	25	27	27	23	25	25	25	26	26	25	25	27	1	1	—	1.0	0.7	0.7	0.7	3.6	7.5	7.5	7.8	7.8	7.8
41	<i>L. sericata</i> <sup>c</sup>	25	27	27	23	25	25	25	26	26	25	25	27	2	2	3	—	1.0	1.0	1.0	3.9	7.2	7.2	7.5	7.5	7.5
42	<i>L. sericata</i> <sup>d</sup>	23	25	25	21	23	23	23	24	24	23	23	25	1	1	2	3	—	0.7	0.7	2.9	7.5	7.5	7.8	7.8	7.8
43	<i>L. sericata</i> <sup>e</sup>	25	27	27	23	25	25	25	26	26	25	25	27	1	1	2	3	2	—	0.7	3.6	7.5	7.5	7.8	7.8	7.8
44	<i>L. sericata</i> <sup>f</sup>	25	27	27	23	25	25	25	26	26	25	25	27	1	1	2	3	2	2	—	3.6	7.5	7.5	7.8	7.8	7.8
45	<i>L. richardsi</i> <sup>*a</sup>	26	28	28	24	24	27	27	26	26	27	27	27	10	10	11	12	9	11	11	—	6.5	6.5	6.8	6.8	6.8
46	<i>L. ampullacea</i> <sup>b</sup>	27	27	27	24	24	25	25	24	24	25	25	25	22	22	23	22	23	23	23	20	—	0.0	0.3	0.3	0.7
47	<i>L. ampullacea</i> <sup>*a</sup>	27	27	27	24	24	25	25	24	24	25	25	25	22	22	23	22	23	23	23	20	0	—	0.3	0.3	0.7
48	<i>L. ampullacea</i> <sup>b</sup>	28	28	28	25	25	26	26	25	25	26	26	26	23	23	24	23	24	24	24	21	1	1	—	0.7	1.0
49	<i>L. ampullacea</i> <sup>*c</sup>	28	28	28	25	25	26	26	25	25	26	26	26	23	23	24	23	24	24	24	21	1	1	2	—	0.3
50	<i>L. ampullacea</i> <sup>d</sup>	29	29	29	26	26	27	27	26	26	27	27	27	23	23	24	23	24	24	24	21	2	2	3	1	—

<sup>a</sup>Haplotype HI; <sup>b</sup>Haplotype HII; <sup>c</sup>Haplotype HIII; <sup>d</sup>Haplotype HIV; <sup>e</sup>Haplotype HV; <sup>f</sup>Haplotype HVI; <sup>g</sup>Haplotype HVII; <sup>h</sup>Haplotype HVIII; <sup>i</sup>Haplotype HIX; <sup>j</sup>Haplotype HX; <sup>k</sup>Haplotype HXI; <sup>l</sup>Haplotype HXII; <sup>m</sup>Haplotype HXIII; <sup>n</sup>Haplotype HXIV; <sup>o</sup>Haplotype HXV; <sup>p</sup>Haplotype HXVI; <sup>q</sup>Haplotype HXVII; <sup>r</sup>Haplotype HXVIII; <sup>s</sup>Haplotype HXIX; <sup>t</sup>Haplotype HXX.

Table S53. (Continued)

		26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
51	<i>L. silvarum</i> <sup>(*)a)</sup>	25	27	27	23	25	27	27	26	26	27	27	25	7	7	8	9	6	8	8	9	25	25	26	26	26
52	<i>L. silvarum</i> <sup>(*)b)</sup>	24	26	26	22	24	26	26	25	25	26	26	26	6	6	7	8	5	7	7	8	24	24	25	25	25
53	<i>L. silvarum</i> <sup>(*)c)</sup>	26	28	28	24	26	28	28	27	27	28	28	26	8	8	9	10	7	9	9	10	26	26	27	27	27
54	<i>L. caesa</i> <sup>(*)e)</sup>	22	23	23	19	20	18	18	17	17	18	18	18	17	17	18	19	16	18	18	18	13	13	14	14	15
55	<i>L. caesa</i> <sup>(*)a)</sup>	22	23	23	19	20	18	18	17	17	18	18	18	17	17	18	19	16	18	18	18	13	13	14	14	15
56	<i>L. caesa</i> <sup>(*)b)</sup>	23	22	22	20	21	19	19	18	18	19	19	19	17	17	18	19	16	18	18	18	12	12	13	13	14
57	<i>L. caesa</i> <sup>(*)c)</sup>	22	23	23	19	20	18	18	17	17	18	18	18	16	16	17	18	15	17	17	17	12	12	13	13	14
58	<i>L. caesa</i> <sup>(*)d)</sup>	24	23	23	21	22	19	19	18	18	19	19	19	17	17	18	19	16	18	18	18	11	11	12	12	13
59	<i>L. caesa</i> <sup>(*)d)</sup>	24	23	23	21	22	19	19	18	18	19	19	19	17	17	18	19	16	18	18	18	11	11	12	12	13
60	<i>L. caesa</i> <sup>(*)e)</sup>	22	23	23	19	20	17	17	16	16	17	17	17	15	15	16	17	14	16	16	16	12	12	13	13	14
61	<i>L. caesa</i> <sup>(*)f)</sup>	23	24	24	20	21	19	19	18	18	19	19	17	18	18	19	20	17	19	19	19	14	14	15	15	16
62	<i>L. caesa</i> <sup>(*)g)</sup>	21	22	22	18	19	19	19	18	18	19	19	19	16	16	17	18	15	17	17	17	14	14	15	15	16
63	<i>L. caesa</i> <sup>(*)h)</sup>	23	22	22	20	21	19	19	18	18	19	19	19	18	18	19	20	17	19	19	19	13	13	14	14	15
64	<i>L. caesa</i> <sup>(*)i)</sup>	21	22	22	18	19	19	17	17	16	16	17	17	16	16	17	18	15	17	17	17	14	14	15	15	16
65	<i>L. caesa</i> <sup>(*)j)</sup>	23	24	24	20	21	18	18	17	17	18	18	18	16	16	17	18	15	17	17	17	11	11	12	12	13
66	<i>L. caesa</i> <sup>(*)k)</sup>	23	24	24	20	21	18	18	17	17	18	18	18	16	16	17	18	15	17	17	17	11	11	12	12	13
67	<i>L. caesa</i> <sup>(*)k)</sup>	22	23	23	19	20	19	19	18	18	19	19	19	16	16	17	18	15	17	17	17	12	12	13	13	14
68	<i>L. caesa</i> <sup>(*)l)</sup>	24	23	23	21	22	20	20	19	19	20	20	20	19	19	20	21	18	20	20	20	14	14	15	15	16
69	<i>L. caesa</i> <sup>(*)m)</sup>	23	24	24	20	21	19	19	18	18	19	19	19	17	17	18	19	16	18	18	18	13	13	14	14	15
70	<i>L. caesa</i> <sup>(*)n)</sup>	24	23	23	21	22	20	20	19	19	20	20	20	18	18	19	20	17	19	19	19	13	13	14	14	15
71	<i>L. illustris</i> <sup>(*)a)</sup>	23	24	24	20	21	19	19	18	18	19	19	19	15	15	16	17	14	16	16	16	13	13	14	14	15
72	<i>L. illustris</i> <sup>(*)a)</sup>	23	24	24	20	21	19	19	18	18	19	19	19	15	15	16	17	14	16	16	16	13	13	14	14	15
73	<i>L. illustris</i> <sup>(*)b)</sup>	23	24	24	20	21	19	19	18	18	19	19	19	16	16	17	18	15	17	17	17	14	14	15	15	16
74	<i>L. illustris</i> <sup>(*)c)</sup>	25	24	24	22	23	19	19	20	20	19	19	21	15	15	16	17	14	16	16	18	14	14	15	15	16
75	<i>L. illustris</i> <sup>(*)d)</sup>	24	25	25	21	22	20	20	19	19	20	20	20	16	16	17	18	15	17	17	17	14	14	15	15	16
76	<i>L. illustris</i> <sup>(*)e)</sup>	23	24	24	20	21	18	18	17	17	18	18	18	16	16	17	18	15	17	17	17	11	11	12	12	13
77	<i>L. bufonivora</i> <sup>(*)a)</sup>	28	27	29	25	27	29	29	28	28	29	29	29	13	13	14	15	12	14	14	17	26	26	27	27	28

<sup>a)</sup>Haplotype HI; <sup>b)</sup>Haplotype HII; <sup>c)</sup>Haplotype HIII; <sup>d)</sup>Haplotype HIV; <sup>e)</sup>Haplotype HV; <sup>f)</sup>Haplotype HVI; <sup>g)</sup>Haplotype HVII; <sup>h)</sup>Haplotype HVIII; <sup>i)</sup>Haplotype HIX; <sup>j)</sup>Haplotype HX; <sup>k)</sup>Haplotype HXI; <sup>l)</sup>Haplotype HXII; <sup>m)</sup>Haplotype HXIII; <sup>n)</sup>Haplotype HXIV; <sup>o)</sup>Haplotype HXV; <sup>p)</sup>Haplotype HXVI; <sup>q)</sup>Haplotype HXVII; <sup>r)</sup>Haplotype HXVIII; <sup>s)</sup>Haplotype HXIX; <sup>t)</sup>Haplotype HXX.



**Material suplementario / Supplementary material**

**Table S53. (Continued)**

		51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	
1	<i>Ch. albiceps</i> <sup>(a)</sup>	8.8	9.1	9.1	8.8	8.8	9.1	8.8	8.8	8.8	8.1	8.5	8.5	9.1	8.5	8.5	8.5	8.8	9.1	9.1	9.4	8.5	8.5	8.5	8.5	8.8	8.5	9.4	
2	<i>Ch. albiceps</i> <sup>(a)</sup>	8.8	9.1	9.1	8.8	8.8	9.1	8.8	8.8	8.8	8.1	8.5	8.5	9.1	8.5	8.5	8.5	8.8	9.1	9.1	9.4	8.5	8.5	8.5	8.5	8.8	8.8	8.5	9.4
3	<i>Ch. albiceps</i> <sup>(b)</sup>	12.4	9.4	9.4	9.1	9.1	9.4	9.1	9.1	9.1	8.5	8.8	8.8	9.4	8.8	8.8	8.8	9.1	9.4	9.4	9.8	8.8	8.8	8.8	8.8	8.8	9.1	8.8	9.8
4	<i>Ch. albiceps</i> <sup>(c)</sup>	8.8	9.1	9.1	8.8	8.8	9.1	8.8	8.8	8.8	8.1	8.5	8.5	9.1	8.5	8.5	8.5	8.8	9.1	9.1	9.4	8.5	8.5	8.5	9.1	8.8	8.5	9.4	
5	<i>C. vicina</i> <sup>(a)</sup>	8.1	7.8	8.5	6.8	6.8	7.2	6.8	7.5	7.5	6.8	7.2	6.5	7.2	6.5	7.2	7.2	6.8	7.5	7.2	7.5	7.2	7.2	7.2	7.8	7.5	7.2	8.8	
6	<i>C. vicina</i> <sup>(a)</sup>	8.1	7.8	8.5	6.8	6.8	7.2	6.8	7.5	7.5	6.8	7.2	6.5	7.2	6.5	7.2	7.2	6.8	7.5	7.2	7.5	7.2	7.2	7.2	7.8	7.5	7.2	8.8	
7	<i>C. vicina</i> <sup>(b)</sup>	7.8	7.5	8.1	7.2	7.2	7.5	7.2	7.8	7.8	7.2	7.5	6.8	7.5	6.8	7.5	7.5	7.2	7.8	7.5	7.8	7.5	7.5	7.5	8.1	7.8	7.5	9.1	
8	<i>C. vicina</i> <sup>(b)</sup>	7.8	7.5	8.1	7.2	7.2	7.5	7.2	7.8	7.8	7.2	7.5	6.8	7.5	6.8	7.5	7.5	7.2	7.8	7.5	7.8	7.5	7.5	7.5	8.1	7.8	7.5	9.1	
9	<i>C. vicina</i> <sup>(c)</sup>	8.5	8.1	8.8	7.2	7.2	7.5	7.2	7.8	7.8	7.2	7.5	6.8	7.5	6.8	7.5	7.5	7.2	7.8	7.5	7.8	7.5	7.5	7.5	8.1	7.8	7.5	9.1	
10	<i>C. vicina</i> <sup>(c)</sup>	8.5	8.1	8.8	7.2	7.2	7.5	7.2	7.8	7.8	7.2	7.5	6.8	7.5	6.8	7.5	7.5	7.2	7.8	7.5	7.8	7.5	7.5	7.5	8.1	7.8	7.5	9.1	
11	<i>C. vicina</i> <sup>(d)</sup>	7.8	7.5	8.1	6.5	6.5	6.8	6.5	7.2	7.2	6.5	6.8	6.2	6.8	6.2	6.8	6.8	6.5	7.2	6.8	7.2	6.8	6.8	6.8	7.5	7.2	6.8	8.5	
12	<i>C. vicina</i> <sup>(d)</sup>	7.8	7.5	8.1	6.5	6.5	6.8	6.5	7.2	7.2	6.5	6.8	6.2	6.8	6.2	6.8	6.8	6.5	7.2	6.8	7.2	6.8	6.8	6.8	7.5	7.2	6.8	8.5	
13	<i>C. vicina</i> <sup>(e)</sup>	8.5	8.1	8.8	7.2	7.2	7.2	7.2	7.5	7.5	7.2	7.5	6.8	7.2	6.8	7.5	7.5	7.2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.8	7.8	7.5	9.1
14	<i>C. vicina</i> <sup>(e)</sup>	8.5	8.1	8.8	7.2	7.2	7.2	7.2	7.5	7.5	7.2	7.5	6.8	7.2	6.8	7.5	7.5	7.2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.8	7.8	7.5	9.1
15	<i>C. vicina</i> <sup>(f)</sup>	8.1	7.8	8.5	6.8	6.8	6.5	6.8	6.8	6.8	6.8	7.2	6.5	6.5	6.5	7.2	7.2	6.8	6.8	7.2	6.8	7.2	7.2	7.2	7.2	7.5	7.2	8.8	
16	<i>C. vicina</i> <sup>(g)</sup>	8.5	8.1	8.8	6.8	6.8	6.5	6.8	6.8	6.8	6.8	7.2	6.5	6.5	6.5	7.2	7.2	6.8	6.8	7.2	6.8	7.2	7.2	7.2	7.2	7.5	7.2	9.1	
17	<i>C. vicina</i> <sup>(h)</sup>	7.8	7.5	8.1	6.5	6.5	6.8	6.5	7.2	7.2	6.5	6.8	6.2	6.8	6.2	6.8	6.8	6.5	7.2	6.8	7.2	6.8	6.8	6.8	7.5	7.2	6.8	8.5	
18	<i>C. vicina</i>	8.5	8.1	8.8	7.2	7.2	6.8	7.2	7.2	7.2	7.2	7.5	6.8	6.8	6.8	7.5	7.5	7.2	7.2	7.5	7.2	7.5	7.5	7.5	7.5	7.8	7.5	9.1	
19	<i>C. vicina</i> <sup>(i)</sup>	8.5	8.1	8.8	7.2	7.2	6.8	7.2	7.2	7.2	7.2	7.5	6.8	6.8	6.8	7.5	7.5	7.2	7.2	7.5	7.2	7.5	7.5	7.5	7.5	7.8	7.5	9.1	
20	<i>C. vicina</i> <sup>(j)</sup>	8.5	8.1	8.8	7.2	7.2	7.5	7.2	7.8	7.8	7.2	7.5	6.8	7.5	6.8	7.5	7.5	7.2	7.8	7.5	7.8	7.5	7.5	7.5	7.5	7.8	7.5	9.1	
21	<i>C. vicina</i> <sup>(k)</sup>	8.5	8.1	8.8	7.2	7.2	7.5	7.2	7.8	7.8	7.2	7.5	6.8	7.5	6.8	7.5	7.5	7.2	7.8	7.5	7.8	7.5	7.5	7.5	8.1	7.8	7.5	9.1	
22	<i>C. vicina</i> <sup>(l)</sup>	8.5	8.1	8.8	7.2	7.2	7.5	7.2	7.8	7.8	7.2	7.5	6.8	7.5	6.8	7.5	7.5	7.2	7.8	7.5	7.8	7.5	7.5	7.5	8.1	7.8	7.5	8.5	
23	<i>C. vicina</i> <sup>(m)</sup>	8.1	7.8	8.5	6.8	6.8	7.2	6.8	7.5	7.5	6.8	7.2	6.5	7.2	6.5	7.2	7.2	6.8	7.5	7.2	7.5	7.2	7.2	7.2	7.8	7.5	7.2	8.8	
24	<i>C. vicina</i> <sup>(n)</sup>	7.8	7.5	8.1	7.2	7.2	7.5	7.2	7.5	7.5	6.8	7.5	6.8	7.5	6.8	7.2	7.2	7.2	7.8	7.5	7.8	7.5	7.5	7.5	8.1	7.8	7.2	8.5	
25	<i>C. vicina</i> <sup>(o)</sup>	7.8	7.5	8.1	6.5	6.5	6.8	6.5	7.2	7.2	6.5	6.8	6.2	6.8	6.2	6.8	6.8	6.5	7.2	6.8	7.2	6.8	6.8	6.8	7.5	7.2	6.8	8.5	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX.

*Material suplementario / Supplementary material*

**Table S53.** (Continued)

		51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	
26	<i>C. vicina</i> <sup>p</sup>	8.1	7.8	8.5	7.2	7.2	7.5	7.2	7.8	7.8	7.2	7.5	6.8	7.5	6.8	7.5	7.5	7.2	7.8	7.5	7.8	7.5	7.5	7.5	8.1	7.8	7.5	9.1	
27	<i>C. vicina</i> <sup>q</sup>	8.8	8.5	9.1	7.5	7.5	7.2	7.5	7.5	7.5	7.5	7.8	7.2	7.2	7.2	7.8	7.8	7.5	7.5	7.8	7.5	7.8	7.8	7.8	7.8	8.1	7.8	8.8	
28	<i>C. vicina</i> <sup>r</sup>	8.8	8.5	9.1	7.5	7.5	7.2	7.5	7.5	7.5	7.5	7.8	7.2	7.2	7.2	7.8	7.8	7.5	7.5	7.8	7.5	7.8	7.8	7.8	7.8	8.1	7.8	9.4	
29	<i>C. vicina</i> <sup>s</sup>	7.5	7.2	7.8	6.2	6.2	6.5	6.2	6.8	6.8	6.2	6.5	5.9	6.5	5.9	6.5	6.5	6.2	6.8	6.5	6.8	6.5	6.5	6.5	7.2	6.8	6.5	8.1	
30	<i>C. vicina</i> <sup>t</sup>	8.1	7.8	8.5	6.5	6.5	6.8	6.5	7.2	7.2	6.5	6.8	6.2	6.8	6.2	6.8	6.8	6.5	7.2	6.8	7.2	6.8	6.8	6.8	7.5	7.2	6.8	8.8	
31	<i>C. vomitoria</i> <sup>a</sup>	8.8	8.5	9.1	5.9	5.9	6.2	5.9	6.2	6.2	5.5	6.2	6.2	6.2	5.5	5.9	5.9	6.2	6.5	6.2	6.5	6.2	6.2	6.2	6.2	6.2	6.5	5.9	9.4
32	<i>C. vomitoria</i> <sup>*a</sup>	8.8	8.5	9.1	5.9	5.9	6.2	5.9	6.2	6.2	5.5	6.2	6.2	6.2	5.5	5.9	5.9	6.2	6.5	6.2	6.5	6.2	6.2	6.2	6.2	6.2	6.5	5.9	9.4
33	<i>C. vomitoria</i> <sup>b</sup>	8.5	8.1	8.8	5.5	5.5	5.9	5.5	5.9	5.9	5.2	5.9	5.9	5.9	5.2	5.5	5.5	5.9	6.2	5.9	6.2	5.9	5.9	5.9	6.5	6.2	5.5	9.1	
34	<i>C. vomitoria</i> <sup>*b</sup>	8.5	8.1	8.8	5.5	5.5	5.9	5.5	5.9	5.9	5.2	5.9	5.9	5.9	5.2	5.5	5.5	5.9	6.2	5.9	6.2	5.9	5.9	5.9	6.5	6.2	5.5	9.1	
35	<i>C. vomitoria</i> <sup>c</sup>	8.8	8.5	9.1	5.9	5.9	6.2	5.9	6.2	6.2	5.5	6.2	6.2	6.2	5.5	5.9	5.9	6.2	6.5	6.2	6.5	6.2	6.2	6.2	6.2	6.2	6.5	5.9	9.4
36	<i>C. vomitoria</i> <sup>c</sup>	8.8	8.5	9.1	5.9	5.9	6.2	5.9	6.2	6.2	5.5	6.2	6.2	6.2	5.5	5.9	5.9	6.2	6.5	6.2	6.5	6.2	6.2	6.2	6.2	6.2	6.5	5.9	9.4
37	<i>C. vomitoria</i> <sup>d</sup>	8.1	8.5	8.5	5.9	5.9	6.2	5.9	6.2	6.2	5.5	5.5	6.2	6.2	5.5	5.9	5.9	6.2	6.5	6.2	6.5	6.2	6.2	6.2	6.2	6.8	6.5	5.9	9.4
38	<i>L. sericata</i> <sup>a</sup>	2.3	2.0	2.6	5.5	5.5	5.5	5.2	5.5	5.5	4.9	5.9	5.2	5.9	5.2	5.2	5.2	5.2	6.2	5.5	5.9	4.9	4.9	5.2	4.9	5.2	5.2	4.2	
39	<i>L. sericata</i> <sup>*a</sup>	2.3	2.0	2.6	5.5	5.5	5.5	5.2	5.5	5.5	4.9	5.9	5.2	5.9	5.2	5.2	5.2	5.2	6.2	5.5	5.9	4.9	4.9	5.2	4.9	5.2	5.2	4.2	
40	<i>L. sericata</i> <sup>b</sup>	2.6	2.3	2.9	5.9	5.9	5.9	5.5	5.9	5.9	5.2	6.2	5.5	6.2	5.5	5.5	5.5	5.5	6.5	5.9	6.2	5.2	5.2	5.5	5.2	5.5	5.5	4.6	
41	<i>L. sericata</i> <sup>c</sup>	2.9	2.6	3.3	6.2	6.2	6.2	5.9	6.2	6.2	5.5	6.5	5.9	6.5	5.9	5.9	5.9	5.9	6.8	6.2	6.5	5.5	5.5	5.9	5.5	5.9	5.9	4.9	
42	<i>L. sericata</i> <sup>*d</sup>	2.0	1.6	2.3	5.2	5.2	5.2	4.9	5.2	5.2	4.6	5.5	4.9	5.5	4.9	4.9	4.9	4.9	5.9	5.2	5.5	4.6	4.6	4.9	4.6	4.9	4.9	3.9	
43	<i>L. sericata</i> <sup>e</sup>	2.6	2.3	2.9	5.9	5.9	5.9	5.5	5.9	5.9	5.2	6.2	5.5	6.2	5.5	5.5	5.5	5.5	6.5	5.9	6.2	5.2	5.2	5.5	5.2	5.5	5.5	4.6	
44	<i>L. sericata</i> <sup>f</sup>	2.6	2.3	2.9	5.9	5.9	5.9	5.5	5.9	5.9	5.2	6.2	5.5	6.2	5.5	5.5	5.5	5.5	6.5	5.9	6.2	5.2	5.2	5.5	5.2	5.5	5.5	4.6	
45	<i>L. richardsi</i> <sup>*a</sup>	2.9	2.6	3.3	5.9	5.9	5.9	5.5	5.9	5.9	5.2	6.2	5.5	6.2	5.5	5.5	5.5	5.5	6.5	5.9	6.2	5.2	5.2	5.5	5.9	5.5	5.5	5.5	
46	<i>L. ampullacea</i> <sup>a</sup>	8.1	7.8	8.5	4.2	4.2	3.9	3.9	3.6	3.6	3.9	4.6	4.6	4.2	4.6	3.6	3.6	3.9	4.6	4.2	4.2	4.2	4.2	4.2	4.6	4.6	4.6	3.6	8.5
47	<i>L. ampullacea</i> <sup>*a</sup>	8.1	7.8	8.5	4.2	4.2	3.9	3.9	3.6	3.6	3.9	4.6	4.6	4.2	4.6	3.6	3.6	3.9	4.6	4.2	4.2	4.2	4.2	4.2	4.6	4.6	4.6	3.6	8.5
48	<i>L. ampullacea</i> <sup>b</sup>	8.5	8.1	8.8	4.6	4.6	4.2	4.2	3.9	3.9	4.2	4.9	4.9	4.6	4.9	3.9	3.9	4.2	4.9	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.9	3.9	8.8
49	<i>L. ampullacea</i> <sup>*c</sup>	8.5	8.1	8.8	4.6	4.6	4.2	4.2	3.9	3.9	4.2	4.9	4.9	4.6	4.9	3.9	3.9	4.2	4.9	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.9	3.9	8.8
50	<i>L. ampullacea</i> <sup>*d</sup>	8.5	8.1	8.8	4.9	4.9	4.6	4.6	4.2	4.2	4.6	5.2	5.2	4.9	5.2	4.2	4.2	4.6	5.2	4.9	4.9	4.9	4.9	5.2	5.2	5.2	4.2	9.1	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX.

**Material suplementario / Supplementary material**

**Table S53.** (Continued)

	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77		
51 <i>L. silvarum</i> <sup>f(a)</sup>	—	0.3	0.3	5.9	5.9	5.9	5.5	5.9	5.9	5.2	5.5	5.5	6.2	5.5	5.5	5.5	5.5	6.5	5.9	6.2	5.2	5.2	5.5	5.9	5.5	5.5	5.2	5.2	
52 <i>L. silvarum</i> <sup>(b)</sup>	1	—	0.7	5.5	5.5	5.5	5.2	5.5	5.5	4.9	5.9	5.2	5.9	5.2	5.2	5.2	5.2	6.2	5.5	5.9	4.9	4.9	5.2	5.5	5.2	5.2	4.9	4.9	
53 <i>L. silvarum</i> <sup>f(c)</sup>	1	2	—	6.2	6.2	6.2	5.9	6.2	6.2	5.5	5.9	5.9	6.5	5.9	5.9	5.9	5.9	6.8	6.2	6.5	5.5	5.5	5.9	6.2	5.9	5.9	5.5	5.5	
54 <i>L. caesar</i> <sup>(a)</sup>	18	17	19	—	0.0	0.7	0.3	1.0	1.0	1.0	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7	1.0	0.7	0.7	0.3	1.3	1.0	0.7	7.2	7.2	
55 <i>L. caesar</i> <sup>(a)</sup>	18	17	19	0	—	0.7	0.3	1.0	1.0	1.0	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7	1.0	0.7	0.7	0.3	1.3	1.0	0.7	7.2	7.2	
56 <i>L. caesar</i> <sup>(b)</sup>	18	17	19	2	2	—	0.3	0.3	0.3	1.0	1.0	1.0	0.3	1.0	0.7	0.7	0.7	0.7	0.7	0.3	0.7	0.3	0.7	1.0	0.7	1.0	0.7	7.2	7.2
57 <i>L. caesar</i> <sup>(c)</sup>	17	16	18	1	1	1	—	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	1.0	0.3	0.7	0.3	0.7	1.0	0.7	1.0	0.7	0.3	6.8	6.8
58 <i>L. caesar</i> <sup>(d)</sup>	18	17	19	3	3	1	2	—	0.0	0.7	1.3	1.3	0.7	1.3	0.3	0.3	1.0	1.0	1.0	0.7	1.0	1.0	1.3	1.0	1.3	0.3	7.2	7.2	
59 <i>L. caesar</i> <sup>(d)</sup>	18	17	19	3	3	1	2	0	—	0.7	1.3	1.3	0.7	1.3	0.3	0.3	1.0	1.0	1.0	0.7	1.0	1.0	1.3	1.0	1.3	0.3	7.2	7.2	
60 <i>L. caesar</i> <sup>(e)</sup>	16	15	17	3	3	3	2	2	2	—	1.3	1.3	1.3	0.7	0.3	0.3	1.0	1.6	1.0	1.3	1.0	1.0	1.3	1.6	1.3	0.3	6.5	6.5	
61 <i>L. caesar</i> <sup>(f)</sup>	17	18	18	1	1	3	2	4	4	4	—	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	0.7	1.6	1.3	1.0	7.5	7.5	
62 <i>L. caesar</i> <sup>(g)</sup>	17	16	18	1	1	3	2	4	4	4	2	—	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	0.7	1.6	1.3	1.0	6.8	6.8	
63 <i>L. caesar</i> <sup>(h)</sup>	19	18	20	1	1	1	2	2	2	4	2	2	2	2	—	0.7	1.0	1.0	1.0	0.3	1.0	0.7	1.0	1.0	0.7	1.0	1.3	1.0	7.5
64 <i>L. caesar</i> <sup>(i)</sup>	17	16	18	1	1	3	2	4	4	2	2	2	2	—	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	0.7	1.6	1.3	1.0	6.8	6.8	
65 <i>L. caesar</i> <sup>(j)</sup>	17	16	18	2	2	2	1	1	1	1	3	3	3	3	—	0.0	0.7	1.3	0.7	1.0	0.7	0.7	1.0	1.3	1.0	0.0	6.8	6.8	
66 <i>L. caesar</i> <sup>(k)</sup>	17	16	18	2	2	2	1	1	1	1	3	3	3	3	0	—	0.7	1.3	0.7	1.0	0.7	0.7	1.0	1.3	1.0	0.0	6.8	6.8	
67 <i>L. caesar</i> <sup>(k)</sup>	17	16	18	2	2	2	1	3	3	3	3	3	3	3	2	2	—	1.3	0.7	1.0	0.7	0.7	1.0	1.3	1.0	0.7	6.8	6.8	
68 <i>L. caesar</i> <sup>(l)</sup>	20	19	21	2	2	2	3	3	3	5	3	3	1	3	4	4	4	—	1.3	1.0	1.3	1.3	1.0	1.3	1.6	1.3	7.8	7.8	
69 <i>L. caesar</i> <sup>(m)</sup>	18	17	19	2	2	2	1	3	3	3	3	3	3	3	2	2	2	4	—	1.0	0.7	0.7	1.0	1.3	1.0	0.7	7.2	7.2	
70 <i>L. caesar</i> <sup>(n)</sup>	19	18	20	3	3	1	2	2	2	4	4	4	2	4	3	3	3	3	3	—	1.0	1.0	1.3	1.0	0.7	1.0	7.5	7.5	
71 <i>L. illustris</i> <sup>(a)</sup>	16	15	17	2	2	2	1	3	3	3	3	3	3	3	2	2	2	4	2	3	—	0.0	0.3	0.7	0.3	0.7	6.5	6.5	
72 <i>L. illustris</i> <sup>(a)</sup>	16	15	17	2	2	2	1	3	3	3	3	3	3	3	2	2	2	4	2	3	0	—	0.3	0.7	0.3	0.7	6.5	6.5	
73 <i>L. illustris</i> <sup>(b)</sup>	17	16	18	1	1	3	2	4	4	4	2	2	2	2	3	3	3	3	3	4	1	1	—	1.0	0.7	1.0	6.8	6.8	
74 <i>L. illustris</i> <sup>(c)</sup>	18	17	19	4	4	2	3	3	3	5	5	5	3	5	4	4	4	4	4	4	3	2	2	3	—	1.0	1.3	7.2	7.2
75 <i>L. illustris</i> <sup>(d)</sup>	17	16	18	3	3	3	2	4	4	4	4	4	4	4	3	3	3	5	3	2	1	1	2	3	—	1.0	6.8	6.8	
76 <i>L. illustris</i> <sup>(e)</sup>	17	16	18	2	2	2	1	1	1	1	3	3	3	3	0	0	2	4	2	3	2	2	3	4	3	—	6.8	6.8	
77 <i>L. bufonivora</i> <sup>(a)</sup>	16	15	17	22	22	22	21	22	22	20	23	21	23	21	21	21	21	24	22	23	20	20	21	22	21	21	—	—	

<sup>a</sup> Haplotype HI; <sup>b</sup> Haplotype HII; <sup>c</sup> Haplotype HIII; <sup>d</sup> Haplotype HIV; <sup>e</sup> Haplotype HV; <sup>f</sup> Haplotype HVI; <sup>g</sup> Haplotype HVII; <sup>h</sup> Haplotype HVIII; <sup>i</sup> Haplotype HIX; <sup>j</sup> Haplotype HX; <sup>k</sup> Haplotype HXI; <sup>l</sup> Haplotype HXII; <sup>m</sup> Haplotype HXIII; <sup>n</sup> Haplotype HXIV; <sup>o</sup> Haplotype HXV; <sup>p</sup> Haplotype HXVI; <sup>q</sup> Haplotype HXVII; <sup>r</sup> Haplotype HXVIII; <sup>s</sup> Haplotype HXIX; <sup>t</sup> Haplotype HXX.

**Material suplementario / Supplementary material**

**Table S54.** Pairwise sequence divergence between the studied Calliphoridae (*Ch. albiceps*\*, *C. vicina*\*, *C. vomitoria*\*, *L. sericata*\*, *L. richardsi*\*, *L. ampullacea*\*, *L. silvarum*\*, *L. caesar*\*, *L. illustris*\* and *L. bufonivora*\*) variants for the ITS2 (310-343 bp). GenBank database sequences for the studied species were included for comparison purposes. The brackets in the superscript indicate more than one sequence with same haplotype (0.0 pairwise sequence divergence). Nucleotide divergence in percentage (%) is shown above the diagonal and the absolute nucleotide differences below the diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1 <i>Ch. albiceps</i> <sup>(a)</sup>	—	0.0	0.3	27.6	27.6	26.1	26.8	26.6	26.8	26.6	26.8	26.8	23.9	23.9	23.9	23.9	23.2	23.2	23.6	31.3	31.3	24.6	32.3	32.3	31.9	31.9	23.3
2 <i>Ch. albiceps</i> <sup>(*a)</sup>	0	—	0.3	27.6	27.6	26.1	26.8	26.6	26.8	26.6	26.8	26.8	23.9	23.9	23.9	23.9	23.2	23.2	23.6	31.3	31.3	24.6	32.3	32.3	31.9	31.9	23.3
3 <i>Ch. albiceps</i> <sup>(b)</sup>	1	1	—	27.9	27.9	26.4	27.0	26.8	27.1	26.8	27.1	27.0	24.1	24.1	23.9	23.9	23.5	23.5	23.8	31.6	31.6	24.9	32.6	32.6	32.2	32.2	23.6
4 <i>C. vicina</i> <sup>(a)</sup>	99	99	100	—	0.0	15.2	15.6	15.7	16.0	15.7	15.7	16.0	24.6	24.6	24.6	24.6	24.9	24.9	27.7	33.0	33.0	27.9	30.1	30.1	30.1	30.1	26.3
5 <i>C. vicina</i> <sup>(*a)</sup>	99	99	100	0	—	15.2	15.6	15.7	16.0	15.7	15.7	16.0	24.6	24.6	24.6	24.6	24.9	24.9	27.7	33.0	33.0	27.9	30.1	30.1	30.1	30.1	26.3
6 <i>C. vomitoria</i> <sup>(*a)</sup>	92	92	93	52	52	—	1.2	0.9	1.6	0.6	0.9	1.2	22.8	22.8	22.8	22.8	22.4	22.4	24.6	29.7	29.7	26.0	25.7	25.7	26.2	26.2	24.9
7 <i>C. vomitoria</i> <sup>(*b)</sup>	95	95	96	54	54	4	—	0.9	2.2	1.2	1.5	1.2	22.8	22.8	22.8	22.8	22.6	22.6	24.0	30.3	30.3	26.4	26.2	26.2	26.7	24.9	25.4
8 <i>C. vomitoria</i> <sup>(*c)</sup>	94	94	95	54	54	3	3	—	1.9	0.3	0.6	0.3	23.0	23.0	23.0	23.0	22.6	22.6	24.0	30.5	30.5	26.2	26.3	26.3	26.8	26.8	25.1
9 <i>C. vomitoria</i> <sup>(d)</sup>	95	95	96	55	55	5	7	6	—	1.6	1.9	2.2	23.6	23.6	23.6	23.6	23.4	23.4	25.1	30.6	30.6	26.9	26.9	26.9	27.7	27.7	25.7
10 <i>C. vomitoria</i> <sup>(e)</sup>	94	94	95	54	54	2	4	1	5	—	0.3	0.6	23.3	23.3	23.3	23.3	22.9	22.9	25.1	30.3	30.3	26.5	26.3	26.3	26.8	26.8	25.4
11 <i>C. vomitoria</i> <sup>(*f)</sup>	95	95	96	54	54	3	5	2	6	1	—	0.9	23.6	23.6	23.6	23.6	23.2	23.2	25.4	30.1	30.1	26.8	26.3	26.3	26.8	26.8	25.7
12 <i>C. vomitoria</i> <sup>g</sup>	95	95	96	55	55	4	4	1	7	2	3	—	23.2	23.2	23.2	23.2	22.9	22.9	25.1	30.7	30.7	26.4	26.6	26.6	27.1	27.1	25.4
13 <i>L. sericata</i> <sup>(a)</sup>	84	84	85	88	88	79	80	80	83	81	82	81	—	0.0	0.3	0.3	0.3	0.3	8.7	28.2	28.2	15.4	28.6	28.6	28.8	28.8	15.1
14 <i>L. sericata</i> <sup>(*a)</sup>	84	84	85	88	88	79	80	80	83	81	82	81	0	—	0.3	0.3	0.3	0.3	8.7	28.2	28.2	15.4	28.6	28.6	28.8	28.8	15.1
15 <i>L. sericata</i> <sup>(b)</sup>	84	84	85	88	88	79	80	80	83	81	82	81	1	1	—	0.0	0.6	0.6	9.0	28.5	28.5	15.7	28.6	28.6	28.8	28.8	15.4
16 <i>L. sericata</i> <sup>(*b)</sup>	84	84	85	88	88	79	80	80	83	81	82	81	1	1	0	—	0.6	0.6	9.0	28.5	28.5	17.7	33.3	33.3	33.3	33.3	17.3
17 <i>L. sericata</i> <sup>c</sup>	83	83	84	89	89	78	79	79	82	80	81	80	1	1	2	2	—	0.0	8.4	28.2	28.2	15.3	28.9	28.9	29.1	29.1	14.8
18 <i>L. sericata</i> <sup>*c</sup>	83	83	84	89	89	78	79	79	82	80	81	80	1	1	2	2	0	—	8.4	28.2	28.2	15.3	28.9	28.9	29.1	29.1	14.8
19 <i>L. richardsi</i> <sup>(*a)</sup>	86	86	87	100	100	86	87	87	91	88	89	88	30	30	31	31	29	29	—	30.2	30.2	14.1	30.3	30.3	30.2	30.2	14.3
20 <i>L. ampullacea</i> <sup>(a)</sup>	108	108	109	116	116	102	105	105	105	104	103	106	97	97	98	98	97	97	106	—	0.0	30.3	17.9	17.9	17.9	17.9	28.5
21 <i>L. ampullacea</i> <sup>(*a)</sup>	108	108	109	116	116	102	105	105	105	104	103	106	97	97	98	98	97	97	106	0	—	30.3	17.9	17.9	17.9	17.9	28.5
22 <i>L. silvarum</i> <sup>(*a)</sup>	85	85	86	101	101	90	92	91	94	92	93	92	52	52	53	53	51	51	49	103	103	—	32.1	32.1	32.1	32.1	4.6
23 <i>L. caesar</i> <sup>(a)</sup>	114	114	115	106	106	88	90	90	92	90	90	91	100	100	100	100	101	101	108	59	59	110	—	0.0	1.5	1.5	29.7
24 <i>L. caesar</i> <sup>(*a)</sup>	114	114	115	106	106	88	90	90	92	90	90	91	100	100	100	100	101	101	108	59	59	110	0	—	1.5	1.5	29.7
25 <i>L. illustris</i> <sup>(a)</sup>	113	113	114	106	106	90	92	92	95	92	92	93	100	100	100	100	101	101	107	59	59	110	5	5	—	0.0	30.0
26 <i>L. illustris</i> <sup>(*a)</sup>	113	113	114	106	106	90	92	92	95	92	92	93	100	100	100	100	101	101	107	59	59	110	5	5	0	—	30.0
27 <i>L. bufonivora</i> <sup>*a</sup>	77	77	78	94	94	84	86	85	88	86	87	86	50	50	51	52	49	49	49	94	94	15	101	101	101	101	—

<sup>a</sup>Variant VtI; <sup>b</sup>Variant VtII; <sup>c</sup>Variant VtIII; <sup>d</sup>Variant VtIV; <sup>e</sup>Variant VtV; <sup>f</sup>Variant VtVI; <sup>g</sup>Variant VtVII.

Aportación / Contribution I.VI

**Table S55.** The ITS2 (310-343 bp) region sequencing information for the Calliphoridae specimens studied by means of HRM analysis. Species, number of specimens (NS), accession number (AN), sequence variants (Vt), submission date (SD) and origin.

Species	NS	AN	Vt	SD	Origin
<i>Ch. albiceps</i>	1	KF825559	Vt1	07-Nov-2013	Europe, Spain
	2	KF825560	Vt1	07-Nov-2013	Europe, Spain
	3	KF825561	Vt1	07-Nov-2013	Europe, Spain
	4	KF825562	Vt1	07-Nov-2013	Europe, Spain
	5	KF825563	Vt1	07-Nov-2013	Europe, Spain
	6	KF825564	Vt1	07-Nov-2013	Europe, Spain
	7	KF825565	Vt1	07-Nov-2013	Europe, Spain
	8	KF825566	Vt1	07-Nov-2013	Europe, Spain
	9	KF825567	Vt1	07-Nov-2013	Europe, Spain
	10	KF825568	Vt1	07-Nov-2013	Europe, Spain
	11	KF825569	Vt1	07-Nov-2013	Europe, Spain
	12	KF825570	Vt1	07-Nov-2013	Europe, Spain
	13	KF825571	Vt1	07-Nov-2013	Europe, Spain
	14	KF825572	Vt1	07-Nov-2013	Europe, Spain
	15	KF825573	Vt1	07-Nov-2013	Europe, Spain
	16	KF825574	Vt1	07-Nov-2013	Europe, Spain
	17	KF825575	Vt1	07-Nov-2013	Europe, Spain
	18	KF825576	Vt1	07-Nov-2013	Europe, Spain
	19	KF825577	Vt1	07-Nov-2013	Europe, Spain
	20	KF825578	Vt1	07-Nov-2013	Europe, Spain
	21	KF825579	Vt1	07-Nov-2013	Europe, Spain
	22	KF825580	Vt1	07-Nov-2013	Europe, Spain
	23	KF825581	Vt1	07-Nov-2013	Europe, Spain
	24	KF825582	Vt1	07-Nov-2013	Europe, Spain
	25	KF825583	Vt1	07-Nov-2013	Europe, Spain
	26	KF825584	Vt1	07-Nov-2013	Europe, Spain
	27	KF825585	Vt1	07-Nov-2013	Europe, Spain
	28	KF825586	Vt1	07-Nov-2013	Europe, Spain
	29	KF825587	Vt1	07-Nov-2013	Europe, Spain
	30	KF825588	Vt1	07-Nov-2013	Europe, Spain
	31	KF825589	Vt1	07-Nov-2013	Europe, Spain
	32	KF825590	Vt1	07-Nov-2013	Europe, Spain
	33	KF825591	Vt1	07-Nov-2013	Europe, Spain
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	35	KF825593	Vt1	07-Nov-2013	Europe, Spain
	36	KF825594	Vt1	07-Nov-2013	Europe, Spain
	37	KF825595	Vt1	07-Nov-2013	Europe, Spain
	38	KF825596	Vt1	07-Nov-2013	Europe, Spain
	39	KF825597	Vt1	07-Nov-2013	Europe, Spain
	40	KF825598	Vt1	07-Nov-2013	Europe, Spain
	41	KF825599	Vt1	07-Nov-2013	Europe, Spain
	42	KF825600	Vt1	07-Nov-2013	Europe, Spain
	43	KF825601	Vt1	07-Nov-2013	Europe, Spain
	44	KF825602	Vt1	07-Nov-2013	Europe, Spain
	45	KF825603	Vt1	07-Nov-2013	Europe, Spain
	46	KF825604	Vt1	07-Nov-2013	Europe, Spain
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	49	KF825607	Vt1	07-Nov-2013	Europe, Spain
	50	KF825608	Vt1	07-Nov-2013	Europe, Spain
	51	KF825609	Vt1	07-Nov-2013	Europe, Spain
	52	KF825610	Vt1	07-Nov-2013	Europe, Spain
	53	KF825611	Vt1	07-Nov-2013	Europe, Spain
	54	KF825612	Vt1	07-Nov-2013	Europe, Spain
<i>L. sericata</i>	1	KF825823	Vt1	07-Nov-2013	Europe, Spain
	2	KF825824	Vt1	07-Nov-2013	Europe, Spain
	3	KF825825	Vt1	07-Nov-2013	Europe, Spain
	4	KF825826	Vt1	07-Nov-2013	Europe, Spain
	5	KF825827	Vt1	07-Nov-2013	Europe, Spain
	6	KF825828	Vt1	07-Nov-2013	Europe, Spain
	7	KF825829	Vt1	07-Nov-2013	Europe, Spain

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	8	KF825830	V11	07-Nov-2013	Europe, Spain
	9	KF825831	V11	07-Nov-2013	Europe, Spain
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	11	KF825833	V11	07-Nov-2013	Europe, Spain
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	14	KF825836	V11	07-Nov-2013	Europe, Spain
	15	KF825837	V11	07-Nov-2013	Europe, Spain
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	17	KF825839	V11	07-Nov-2013	Europe, Spain
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	19	KF825841	V11	07-Nov-2013	Europe, Spain
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	21	KF825843	V11	07-Nov-2013	Europe, Spain
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	39	KF825862	V11	07-Nov-2013	Europe, Spain
	40	KF825863	V11	07-Nov-2013	Europe, Spain
	41	KF825864	V11	07-Nov-2013	Europe, Spain
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	46	KF825870	V11	07-Nov-2013	Europe, Spain
	47	KF825871	V11	07-Nov-2013	Europe, Spain
<i>L. richardsi</i>	1	KF825972	V11	07-Nov-2013	Europe, Spain
	2	KF825973	V11	07-Nov-2013	Europe, Spain
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	20	KF825991	V11	07-Nov-2013	Europe, Spain
<i>L. ampullacea</i>	1	KF825763	V11	07-Nov-2013	Europe, Spain
	2	KF825764	V11	07-Nov-2013	Europe, Spain
	3	KF825765	V11	07-Nov-2013	Europe, Spain
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	8	KF825770	V11	07-Nov-2013	Europe, Spain
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	11	KF825773	V11	07-Nov-2013	Europe, Spain

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	58	KF825820	V11	07-Nov-2013	Europe, Spain
	59	KF825821	V11	07-Nov-2013	Europe, Spain
<i>L. silvarum</i>	1	KF825992	V11	07-Nov-2013	Europe, Spain
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	9	KF826000	V11	07-Nov-2013	Europe, Spain
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	12	KF826003	V11	07-Nov-2013	Europe, Spain
	13	KF826004	V11	07-Nov-2013	Europe, Spain
	14	KF826005	V11	07-Nov-2013	Europe, Spain
	15	KF826006	V11	07-Nov-2013	Europe, Spain
<i>L. caesar</i>	1	KF825872	V11	07-Nov-2013	Europe, Spain
	2	KF825873	V11	07-Nov-2013	Europe, Spain
	3	KF825874	V11	07-Nov-2013	Europe, Spain
	4	KF825875	V11	07-Nov-2013	Europe, Spain
	5	KF825876	V11	07-Nov-2013	Europe, Spain
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	7	KF825878	V11	07-Nov-2013	Europe, Spain
	8	KF825879	V11	07-Nov-2013	Europe, Spain

*Material suplementario / Supplementary material*

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	73	KF825944	V11	07-Nov-2013	Europe, Spain
<i>L. illustris</i>	1	KF825945	V11	07-Nov-2013	Europe, Spain
	2	KF825946	V11	07-Nov-2013	Europe, Spain
	3	KF825947	V11	07-Nov-2013	Europe, Spain
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7	KF825951	V11	07-Nov-2013	Europe, Spain
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25	KF825969	V11	07-Nov-2013	Europe, Spain
26	KF825970	V11	07-Nov-2013	Europe, Spain
27	KF825971	V11	07-Nov-2013	Europe, Spain



*Material suplementario / Supplementary material*

	201							210							220							230							240							250																								
1	-	-	-	T	T	T	T	A	T	T	G	A	G	G	A	A	A	G	T	C	T	A	G	C	A	T	A	A	A	A	A	-	T	T	T	A	T	G	A	A	A	C	T	A	G	A	A	T	T	G										
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	*	*	*																																																									
	251							260							270							280							290							300																								
1	C	C	T	C	T	T	T	-	-	-	-	-	-	-	A	A	A	A	T	A	A	A	G	A	A	T	T	T	C	A	T	T	A	T	G	T	G	A	A	T	A	T	-	-	-	-	-	-	-	-	-									
2	.	.	.	.	.	C	.	A	A	A	A	G	-	-	.	G	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
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4	.	.	.	.	.	C	.	A	A	A	-	-	-	-	.	T	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
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	301							310							320							330							340							350																								
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	A	A	G	A	A	A	T	G	A	T	T	T	-	T	T	A	T	T	C	A	T	G	G	-	T	T	T	G	A	T	A	T	T	T	T	A									
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7	T	A	A	A	C	A	A	A	C	T	A	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
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	351							360							370							380							390							391																								
1	-	-	-	-	T	G	A	A	A	A	A	G	A	A	T	A	A	A	T	T	A	T	T	T	A	T	T	T	T	T	-	-	-	-	-	-	-	T	A	T	A	C																		
2	A	T	A	T	.	.	.	.	.	T	.	G	.	T	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
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**Table S57.** Melting temperatures for each species. Genus, species, and intra/inter-run mean values of melting temperature (T<sub>m</sub>, °C) and the standard deviation (SD).

Genus	Species	Intra-run		Inter-run	
		T <sub>m</sub>	SD	T <sub>m</sub>	SD
<i>Chrysomya</i>	<i>Ch. albiceps</i>	73.90	± 0.10	73.89	± 0.12
<i>Lucilia</i>	<i>L. sericata</i>	74.30	± 0.10	74.27	± 0.12
	<i>L. richardsi</i>	74.70	± 0.10	74.62	± 0.16
	<i>L. ampullacea</i>	73.90	± 0.10	73.91	± 0.14
	<i>L. silvarum</i>	74.09	± 0.10	74.14	± 0.17
	<i>L. caesar</i>	74.11	± 0.10	74.11	± 0.12
	<i>L. illustris</i>	74.10	± 0.10	74.16	± 0.10

**Table S58.** Intra-specific characteristics of the seven Calliphoridae species for the region ITS2 (310-343 bp). Species, specimens number (SN), length in base pair (BP), number of variable sites (NVS), sequence variants (Vt) and nucleotide composition in %.

Species	SN	BP	NVS	Vt	Nucleotide composition (%)			
					C	T	A	G
<i>Ch. albiceps</i>	54	327	0	Vt1	7.65	39.76	40.98	11.62
<i>L. sericata</i>	47	331	0	Vt1	9.67	38.37	40.18	11.78
<i>L. richardsi</i>	20	343	0	Vt1	9.33	38.19	41.11	11.37
<i>L. ampullacea</i>	59	310	0	Vt1	8.71	39.68	41.61	10.00
<i>L. silvarum</i>	15	322	0	Vt1	8.70	39.44	40.37	11.49
<i>L. caesar</i>	73	322	0	Vt1	8.07	41.30	39.44	11.18
<i>L. illustris</i>	27	324	0	Vt1	8.02	41.67	39.51	10.80

## **BLOQUE / BLOCK II**

### **Aportación / Contribution II.I**

#### **Case 9: Entomological Evidence Collection Log Sheets**

Case number: Case 3 Collected by: Private information

Location: Ozaeta (Araba) Data: 06/10/2011 Time: 14:35 h

#### ***Specifications***

Type of animal: Wild (deer, wild board, etc.)  Domestic (goat, sheep, cow, etc.)

Specify: Bovine Species/variety: Crossbred Origin: Basque Country

Estimation about: Age: 6 years Weight: 550 kg

Remarks: \_\_\_\_\_

Sex: Male  Female

Position of dipterans on the animal\*\*: Wound on the heel of the right hind limb

Evidence of wounds\*: Yes  No

Kind of wound: Podal infection

Infection degree: Severe infection with swelling and purulence

Remarks: Located in the phalange

#### ***Collection Environment***

Outdoor: Forest  Field  Grassland

Others/Remarks: \_\_\_\_\_

Indoors: Stable  Livestock pavilion

Climate-control/Heated: Yes  No

Open access to outside: Yes  No

Others/Remarks: \_\_\_\_\_

#### ***Temperature and Climate***

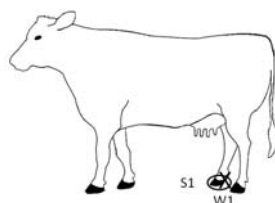
Environment temperature: 17 °C Season: Springtime

Regional climate: Sub-mediterranean climate

\* **Wounds (W)**: please mark the position on the final drawing.

\*\* **Egg (E), Larvae (L), Pupa (P), Adult (A) or sample location (S1, S2, etc.)**: please mark the position on the final drawing.

Sample	Specimens number	Sample type	Preserved/Alive	Animal location
1	1	<input type="checkbox"/> Egg <input checked="" type="checkbox"/> Larva <input type="checkbox"/> Pupa <input type="checkbox"/> Adult	Alive	Right hind limb heel



*Material suplementario / Supplementary material*

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**Table S59.** The COI barcode (658 bp) sequence obtained for *M. autumnalis* studied sample. Nucleotide notation follows IUB code. Sequence begins at the 3' end of the forward primer.

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1           10           20           30           40           50
T A C C T T A T A T T T T A T C T T T G G A G C A T G A T C T G G T A T A A T T G G A A C T T C C T
T A A G A A T T T T A A T T C G A G C T G A A T T A G G G C A C C C T G G T G C A C T A A T T G G T
G A T G A C C A A A T T T A T A A T G T T A T T G T A A C A G C T C A T G C T T T T A T T A T A A T
T T T C T T T A T A G T T A T A C C T A T T A T A A T T G G A G G A T T T G G A A A T T G A T T A G
T T C C T T T A A T A C T A G G A G C T C C T G A T A T A G C A T T C C C T C G A A T A A A T A A T
A T A A G T T T C T G A C T T T T A C C T C C T G C T T T A A C C T T A T T A T T A G T T A G A A G
C A T A G T A G A A A A G G G A G C T G G G A C A G G A T G A A C T G T A T A C C C A C C T T T A T
C T T C A A T T A T T G C T C A T G G A G G A G C T T C T G T T G A T T T A G C T A T T T T T C A
T T A C A T T T A G C T G G A A T T T C T T C A A T T T T A G G A G C A G T A A A T T T T A T T A C
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C C A G T T T T A G C C G G A G C T A T C A C T A T A T T A T T A A C G G A T C G A A A T T T A A A
T A C T T C A T T C T T T G A C C C T G C G G A G G A G G A G A C C C A A T T C T T T A C C A A C
A T T T A T T T
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Aportación / Contribution II.III

Table S61. Immatures selected from more decomposed corpse.

Sample	Genera	Species	Stage	Length (cm)	Crop		Host DNA Quantification (ng)	STRs			mtDNA Cyt-b (307 bp)
					Color	Size (mm)		Nonaplex	NGM	Minifiler	
1	<i>Phormia</i>	<i>P. regina</i>	LIII	1.4	bright red	4	0.007	c	c	c	a
2	<i>Phormia</i>	<i>P. regina</i>	LIII	1.2	dark red	4	—	—	—	—	a
3	<i>Calliphora</i>	<i>C. vomitoria</i>	LIII	1.0	medium red	2	—	—	—	—	a
4	<i>Calliphora</i>	<i>C. vomitoria</i>	LIII	1.2	medium red	3	—	—	—	—	a
5	<i>Calliphora</i>	<i>C. vomitoria</i>	LIII	1.3	medium red	4	—	—	—	—	a
6	<i>Phormia</i>	<i>P. regina</i>	LIII	1.5	bright red	4	0.008	b	c	b	a
7	<i>Lucilia</i>	<i>L. caesar</i>	LIII	1.0	dark red	2	—	—	—	—	c
8	<i>Calliphora</i>	<i>C. vomitoria</i>	LIII	1.2	black	2	—	—	—	—	c
9	<i>Lucilia</i>	<i>L. caesar</i>	LIII	1.0	black	3	—	—	—	—	c
10	<i>Calliphora</i>	<i>C. vomitoria</i>	LIII	1.3	black	2	—	—	—	—	c
11	<i>Calliphora</i>	<i>C. vomitoria</i>	LIII	1.0	dark red	2	—	—	—	—	c
12	<i>Calliphora</i>	<i>C. vomitoria</i>	LIII	1.4	medium red	2	—	—	—	—	a
13	<i>Calliphora</i>	<i>C. vomitoria</i>	LIII	1.0	black	2	—	—	—	—	c
14	<i>Calliphora</i>	<i>C. vomitoria</i>	LIII	1.2	dark red	2	—	—	—	—	c
15	<i>Calliphora</i>	<i>C. vomitoria</i>	LIII	1.4	dark red	3	—	—	—	—	a

<sup>a</sup> Successful amplification; <sup>b</sup> Exceptionally few *loci* amplified; <sup>c</sup> Failed amplification.

Table S62. Immatures selected from less decomposed corpse.

Sample	Genera	Species	Stage	Length (cm)	Crop		Host DNA Quantification (ng)	STRs			mtDNA Cyt-b (307 bp)
					Color	Size (mm)		Nonaplex	NGM	Minifiler	
1	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.5	bright red	5	0.124	a	b	a	a
2	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.3	dark red	3	—	—	—	—	a
3	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.3	medium red	2	—	—	—	—	a
4	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.2	dark red	3	—	—	—	—	a
5	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.5	bright red	4	0.025	b,c	b,c	c	a
6	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.4	medium red	3	—	—	—	—	a
7	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.5	bright red	4	0.023	b,c	b,c	b,c	a
8	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.5	dark red	3	0.004	—	—	—	a
9	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.3	bright red	3	0.012	—	—	—	a
10	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.5	dark red	4	0.005	—	—	—	a
11	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.4	bright red	3	0.013	—	—	—	a
12	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.2	dark red	2	—	—	—	—	d
13	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.1	dark red	2	—	—	—	—	d
14	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.2	medium red	2	—	—	—	—	a
15	<i>Calliphora</i>	<i>C. vicina</i>	LIII	1.3	dark red	2	—	—	—	—	d

<sup>a</sup> Successful amplification; <sup>b</sup> Few *loci* do not amplify for this kit; <sup>c</sup> Allelic loss for some *loci*; <sup>d</sup> Failed amplification.

Table S63. *Loci* STR typing results for less decomposed corpse. *Locus* STR, Allele range (AR), Reference sample (RS), Nonaplex, NGM, Minifiler commercial kits and their allelic profiles and fragment sizes (Sizes).

<i>Locus</i> STR	AR	RS	Nonaplex		NGM		Minifiler	
		Profile	Profile	Sizes (bp)	Profile	Sizes (bp)	Profile	Sizes (bp)
D1S1656	9-20,3	14, 16,3	—	—	(14, 16,3) <sup>a</sup>	170-224	—	—
D2S441	9-16	10, 11	—	—	(10, 11) <sup>a</sup>	74.5-113.4	—	—
D2S1338	15-28	19, 26	—	—	(19,26) <sup>a</sup>	281.6-356	19, 26	110.9-179.9
D3S1358	12-19	15, 18	(15, 18) <sup>a</sup>	152-190	15 <sup>a</sup> , 18	114.4-168.4	—	—
FGA	17-51,2	22	22	190-243	(22) <sup>a</sup>	221.6-372	22	136.4-296.4
CSF1PO	6-15	13, 14	—	—	—	—	13, 14	84.6-1323.6
D7S820	6-15	8, 11	—	—	—	—	8, 11 <sup>b</sup>	141.5-193.5
D8S1179	8-19	10, 12	(10, 12) <sup>a</sup>	105-146	(10, 12) <sup>a</sup>	117.9-174.9	—	—
D10S1248	8-18	13, 14	—	—	13, 14	72-127	—	—
TH01	4-13,3	6	6	92-116	(6) <sup>a</sup>	176.4-221.1	—	—
D12S391	14-27	18, 21	—	—	(18, 21) <sup>a</sup>	225-287	—	—
vWA	11-24	14, 16	14, 16	108-153	14 <sup>b</sup> , 16	149-214.3	—	—
D13S317	8-15	11	—	—	—	—	11	90-139
D16S539	5-15	10, 13	—	—	(10, 13) <sup>a</sup>	223.6-277.6	10, 13 <sup>b</sup>	70-122
D18S51	7-27	12, 18	(12, 18) <sup>b</sup>	282-351	(12, 18) <sup>a</sup>	259.5-347.5	12, 18	122.4-210.4
D19S433	9-17,2	12, 15	—	—	12 <sup>b</sup> , 15	122.3-166.3	—	—
D21S11	24-38	28, 32,2	(28, 32,2) <sup>a</sup>	187-227	(28, 32,2) <sup>a</sup>	178.8-249.8	28, 32,2	180.6-250.6
D22S1045	8-19	16	—	—	16	76-120	—	—
Amelogenin	X, Y	X	(X) <sup>a</sup>	83, 86	X	100, 108	X	99.3, 109.3
SE33	4.2-39,2	14, 30,2	(14, 30,2) <sup>a</sup>	206-323	—	—	—	—

<sup>a</sup> *Loci* not amplified for some samples; <sup>b</sup> Allelic loss for some samples; — *Locus* no included into the kit.

**Material suplementario / Supplementary material**

**Table S64.** The Cyt-b (307 bp, *Homo sapiens* NC012920: 14842-15148 positions) sequence obtained from maggot crops for human corpses. Nucleotide notation follows IUB code. Sequences begin at the 3' end of the forward primer.

1	10	20	30	40	50																																													
C	T	T	C	G	G	C	T	C	A	C	T	C	C	T	T	G	G	C	G	C	T	G	C	C	T	G	A	T	C	C	T	C	C	A	A	A	T	C	A	C	C	A	C	A	G	G	A	C		
T	A	T	T	C	C	T	A	G	C	C	A	T	G	C	A	C	T	A	C	T	C	A	C	C	A	G	A	C	G	C	C	T	C	A	A	C	C	G	C	T	T	T	T	C	A	T	C	A		
A	T	C	G	C	C	C	A	C	A	T	C	A	C	T	C	G	A	G	A	C	G	T	A	A	A	T	T	A	T	G	G	C	T	G	A	A	T	C	A	T	C	C	G	C	T	A	C	C	T	
T	C	A	C	G	C	C	A	A	T	G	G	C	G	C	C	T	C	A	A	T	A	T	T	C	T	T	T	A	T	C	T	G	C	C	T	C	T	T	C	C	T	A	C	A	C	A	T	C	G	
G	G	C	G	A	G	G	C	C	T	A	T	A	T	T	A	C	G	A	T	C	A	T	T	T	C	T	C	T	A	C	T	C	A	G	A	A	A	C	C	T	G	A	A	C	A	T	C			
G	G	C	A	T	T	A	T	C	C	T	C	C	T	G	C	T	T	G	C	A	A	C	T	A	T	A	G	C	A	A	C	A	G	C	C	T	T	C	A	T	A	G	G	C	T	A	T	G	T	
C	C	T	C	C	C	G																																												

**Table S65.** Details of the Blast search in GenBank database for the Cyt-b (307 bp) sequences obtained from both human corpses.

Sample	Accession number	Species	Query Coverage	E value	Maximum Identity
1	KM986627	<i>Homo sapiens</i>	100%	2e-158	100%
2	KM986621	<i>Homo sapiens</i>	100%	2e-158	100%
3	KM986620	<i>Homo sapiens</i>	100%	2e-158	100%
4	KM986619	<i>Homo sapiens</i>	100%	2e-158	100%
5	KM986618	<i>Homo sapiens</i>	100%	2e-158	100%
6	KM986615	<i>Homo sapiens</i>	100%	2e-158	100%
7	KM986614	<i>Homo sapiens</i>	100%	2e-158	100%
8	KM986608	<i>Homo sapiens</i>	100%	2e-158	100%
9	KM986606	<i>Homo sapiens</i>	100%	2e-158	100%
10	KM986605	<i>Homo sapiens</i>	100%	2e-158	100%
11	KM986604	<i>Homo sapiens</i>	100%	2e-158	100%
12	KM986602	<i>Homo sapiens</i>	100%	2e-158	100%
13	KM986601	<i>Homo sapiens</i>	100%	2e-158	100%
14	KM986600	<i>Homo sapiens</i>	100%	2e-158	100%
15	KM986598	<i>Homo sapiens</i>	100%	2e-158	100%
16	KM986597	<i>Homo sapiens</i>	100%	2e-158	100%
17	KM986596	<i>Homo sapiens</i>	100%	2e-158	100%
18	KM986595	<i>Homo sapiens</i>	100%	2e-158	100%
19	KM986593	<i>Homo sapiens</i>	100%	2e-158	100%
20	KM986592	<i>Homo sapiens</i>	100%	2e-158	100%
21	KM986591	<i>Homo sapiens</i>	100%	2e-158	100%
22	KM986590	<i>Homo sapiens</i>	100%	2e-158	100%
23	KM986589	<i>Homo sapiens</i>	100%	2e-158	100%
24	KM986584	<i>Homo sapiens</i>	100%	2e-158	100%
25	KM986583	<i>Homo sapiens</i>	100%	2e-158	100%

## **Discusión general / General discussion**

**Clasificación:** Aspectos Taxonómicos, Distribución y Etología de las especies estudiadas

Atendiendo a la biología, distribución y a su importancia médica, veterinaria y forense, la entomofauna estudiada en este trabajo incluye los siguientes taxones:

### ***Familia Calliphoridae***

- Subfamilia Chrysomyinae, ampliamente distribuida [Rognes 1991], abarca tres géneros de importancia forense (*Chrysomya*, *Phormia* y *Protophormia*), dos de ellos se recogen en este trabajo (Aportaciones I.I-I.VI).
  - Género *Chrysomya* (Robineau-Desvoidy, 1830) representado principalmente por *Ch. albiceps* (Wiedemann, 1819), con una distribución inicial que abarcaba desde el Noroeste de la India al Norte y Sur de África, actualmente, también se encuentra en el Sur de la región Paleártica y ha sido recientemente introducida en América [González-Mora & Peris 1988]. Esta especie puede actuar como ectoparásito facultativo, primario o secundario, en mamíferos [Zumpt 1965; Smith 1986; Stevens & Wall 1997; Soler-Cruz 2000].
  - Género *Phormia* (Robineau-Desvoidy, 1830), con una única especie de interés forense, *P. regina* (Meigen, 1826) presenta una distribución Holártica [Rognes 1991], estando frecuentemente asociada a casos de miasis en animales y humanos [Rognes 1991; Hall 1948; Hall *et al.* 1986].
- Subfamilia Calliphorinae, es la más frecuentemente asociada a restos cadavéricos y agrupa varios géneros (*Calliphora*, *Cynomya*, *Onesia*) con hábitos saprófagos y miásicos bien conocidos [Stevens & Wall 2001; Stevens 2003], siendo el más abundante en el Sur de Europa (Aportaciones I.I-I.VI).

- Género *Calliphora* Robineau-Desvoidy, 1830. Está ampliamente distribuido y mejor representado en las regiones Holártica y Australiana [Rognes 1991]. Algunas especies están involucradas en miasis humanas y animales [Rognes 1991]. En la región Paleártica se han registrado 5 especies [Schumann 1986] de las que solo, *C. vicina* Robineau-Desvoidy, 1830 y *C. vomitoria* Linnaeus, 1758 aparecen en la Península Ibérica [González-Mora 1989; Martínez-Sánchez *et al.* 2001]. *C. vomitoria* muestra distribución Holártica, mientras que *C. vicina* es considerada actualmente cosmopolita [González-Mora 1989]. Ambas especies son generalmente necrófagas, aunque también han sido asociadas a miasis traumáticas [González-Mora 1989].
- Subfamilia Luciliinae, está ampliamente extendida por todo el mundo, y muy bien representada (Aportaciones I.I-I.VI). Dentro de esta subfamilia la taxonomía clásica considera a *Phaenicia*, *Lucilia* y *Bufolucilia* como géneros independientes, si bien, actualmente, la clasificación más aceptada los agrupa como subgéneros dentro del género *Lucilia*.
- *Phaenicia* Robineau-Desvoidy, 1863. Su valor taxonómico ha sido invalidado. Abarca las especies *Lucilia sericata* (Meigen, 1826) y *L. cuprina* que pueden ser parásitos facultativos primarios. Originariamente *L. sericata* presentaba distribución Paleártica y *L. cuprina* Afrotropical u Oriental [Stevens & Wall 1997; Stevens *et al.* 2002], aunque hoy en día son prácticamente cosmopolitas [Rognes 1991]. *L. sericata* está considerada agente miásico principal en el Norte de Europa [MacLeod 1943; Wall *et al.* 1992], en Nueva Zelanda [Miller 1939; Tenquist & Wright 1976] y en Norteamérica [Williams *et al.* 1985]. Sin embargo, aunque se ha detectado en Australia, esta especie raramente provoca infestaciones [Waterhouse & Paramonov 1950], siendo *L. cuprina* la que ocupa su lugar [Watts *et al.* 1976; Dallwitz *et al.* 1984; Ryan 1954; Knights *et al.* 2008]. Por otra parte, *L. cuprina* no está claramente registrada en la mayor parte

de Europa [Rognes 1993] pudiendo ser fácilmente confundida con *L. sericata*; sin embargo, hemos confirmado que forma parte de la entomofauna habitual del Sur del CAPV [Saloña-Bordas *et al.* 2009], pero ninguna de estas especies intervino como agente miásico en las infestaciones recogidas en la presente investigación (Aportación I.IV).

- *Lucilia s.s.* Robineau-Desvoidy, 1830 está representada por tres especies. *Lucilia illustris* (Meigen, 1826) se distribuye por las regiones Holártica, Oriental y Australiana [Rognes 1991; DeBry *et al.* 2013], *L. caesar* (Linnaeus, 1758) por la región Paleártica y *L. ampullacea* Villeneuve, 1922 habita en las regiones Paleártica, Oriental y Australiana [Peris & González-Mora 1991; Rognes 1991]. Todas ellas pueden estar implicadas en casos de miasis como ectoparásitos facultativos secundarios, la última con menor frecuencia [Stevens & Wall 1997]. Por su parte, *L. richardsi* Collin, 1926, de distribución eurosiberiana [Peris & González-Mora 1991; Rognes 1991; Martínez-Sánchez *et al.* 2001], no está documentada como especie miásica. En esta investigación únicamente *L. caesar* y *L. illustris* han sido registradas como especies miásicas (Aportación I.IV).
- *Bufolucilia* Towns, 1991 agrupa a *Lucilia bufonivora* Moniez, 1876 y *L. silvarum* Meigen, 1826 que se distribuyen por toda la región Paleártica, extendiéndose hacia el Norte de África y Asia [Peris & González-Mora 1991; Rognes 1991]. También han sido registradas en el Norte de América [Rognes 1991]. *L. bufonivora* actúa como parásito obligado de anfibios [Brumpt 1934; Zumpt 1965; Weddeling & Kordges 2008; Fremdt *et al.* 2012], mientras que *L. silvarum* tiene hábitos saprófagos y coloniza casi exclusivamente restos de anfibios [Rognes 1991; Davies 1999; Prado e Castro *et al.* 2011]. Recientemente, esta especie se ha encontrado en cadáveres humanos [Fremdt *et al.* 2012] y, en vísceras de mamíferos en el presente trabajo (Aportación I.V).

***Familia Muscidae***

- Subfamilia Muscinae, de distribución cosmopolita [Couri & Carvalho 2003; Nihei & Carvalho 2009], comprende géneros de importancia veterinaria, principalmente, aunque también médica y forense; uno de los casos más novedosos se recoge en este trabajo (Aportaciones I.IV/II.I).
- Género *Musca* Linnaeus, 1758. *M. autumnalis* De Geer, 1776, originalmente Paleártica y Afrotropical, actualmente presenta distribución cosmopolita [Skidmore 1985; Savage & Vockeroth 2010]. Los adultos se alimentan de las secreciones y excreciones del ganado, incluyendo sangre y exudados de heridas [Matthew & Dobson 1959], mientras que los inmaduros son esencialmente coprófagos (o saprófagos) [Skidmore 1985]. Esta especie no está establecida como agente miásico; sin embargo, en esta investigación la hemos detectado asociada a un caso de miasis traumática en ganado (Aportaciones I.IV/II.I).

***Familia Oestridae***

- Subfamilia Hypodermatinae, principalmente conocida como endoparásitos obligados de mamíferos, aunque algunos miembros pueden ocasionar miasis cutáneas de forma similar a los Calliphoridae [Stevens & Wallman 2006].
- Género *Hypoderma* (Zumpt, 1965). De las seis especies incluidas tradicionalmente en este género solo dos, *H. bovis* (Linnaeus, 1758) e *H. lineatum* (de Villiers, 1789), son endoparásitas obligadas de animales [Zumpt 1965]. La especie *Hypoderma bovis* (Linnaeus, 1758), encontrada en esta investigación (Aportación I.IV), se distribuye por Europa, África, Asia y Norteamérica [Zumpt 1965], afectando principalmente a ganado vacuno, pero también puede causar infestaciones humanas con cierta frecuencia.

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**Table S66.** Diptera processing, according to stage of development, for molecular analysis of insect DNA.

<b>Sample type</b>	<b>Killing way</b>	<b>Preservation</b>
<b>Eggs</b>	Ethanol 70-95%	Ethanol 70-95%*
<b>Immature</b>	Water at 80-100°C (30-120 s)	Ethanol 80-95%*
	-20 °C (dry)	-20 °C or -80°C
<b>Pupae</b>	Ethanol 70%	Ethanol 70%*
	-20 °C (dry, 30-60 min)	Dry*
<b>Puparia</b>	-	Ethanol 70%*
	-	Dry*
<b>Adults</b>	Ethanol 70%	Ethanol 70% *
	-20°C (dry, 30-60 min)	Dry *

\*At same time may be maintained at -20°C to improve conservation.