

Supplementary material

Appendix 1 List of sampled individuals used in this study. Samples are sorted by populations.

Appendix 2 Microsatellites loci used in the present study including primer sequence, allele size inbp, source and species for which loci were isolated.

Appendix 3 Pairwise values of F_{ST} (microsatellites) among populations of little owl *Athene noctua*. Values marked with asterisk are significant ($p < 0.05$).

Appendix 4 Estimated number of populations (K) from the software Structure for the European little owl. (a) Rate of change in log-likelihood values (ΔK) (Evanno et al. 2005). The maximum ΔK indicates the most likely number of populations. (b) The mean $\ln P(D)$ (Pritchard et al. 2000) of 5 runs conducted for each K for the multilocus genotype data generated. A plateau in likelihood values indicates the most likely number of populations. (c) Inference of the number of genetic clusters by discriminant analysis of principal components (DAPC).

APPENDIX 1

Institution abbreviations

ANIMA	Association for the Protection and Welfare of Wildlife, Greece (M. Ganoti)
M. Šálek	Institute of Vertebrate Biology, Academy of Sciences of the Czech Republic (M. Šálek)
Ass.CHENE	Association CHENE, France (C. Blaize)
BZL	Biologiezentrum Linz, Austria (J. Plass)
CRAS-ACCAR	Associazione Centro Cicogne e Anatidi di Racconigi, Italy (G. Vaschetti)
CRFS-LIPU-MI	CRFS Lipu La Fagiana, Pontevecchio di Magenta, Italy (V. Burresti)
CRFS-LIPU-MO	CRFS LIPU Molise, Italy (A. Damiano)
CRFS-PO	CRFS Parco Fluviale del Po e del Torrente Orba, Italy (C. Carbonero)
CRFST	Centre de Recuperació de Fauna Salvatge de Torreferrussa, Spain (J. C. Fernández-Ordóñez, E. Obón, J. Mayné)
CRSFS-LPO-PACA	Centre Regional du sauvegarde de la faune sauvage (Olivier Hameau)
CSN	Centro di Scienze Naturali, Prato, Italy (G. Tozzi)
EGS	EGS Eulen und Greifvogel Schutz Oesterreich (H. Frey, R. Faust)
ISPRA	Istituto Superiore per la Protezione e la Ricerca Ambientale, Italy (A. De Faveri)
MCCI	Museo civico di Storia Naturale di Carmagnola, Italy (G. Boano)
MCN	Franquesa Museo de Ciencias Naturales de la Ciutadella, Barcelona, Spain (E. Garcia)
MCSNF	Museo Civico di Storia Naturale di Ferrara, Italy (S. Mazzotti)
MCSNP	Museo Civico di Storia Naturale, Pordenone, Italy (U. Chalvien)
MNCN	Museo Nacional de Ciencias Naturales, Madrid, Spain (I. Rey Fraile)
MNHN	Muséum national d'Histoire naturelle Paris, France (J. M. Pons, Eric Pasquet)
MSNG	Museo Civico di Storia Naturale di Genova, Italy (E. Borgo)
MTSN	Museo Tridentino di Scienze Naturali, Italy (P. Pedrini, M. C. Deflorian)
MUHNAC	Museu Nacional de História Natural, Lisboa (J. P. Granadeiro)
MZD	Museo di Zoologia P. Doderlein, Università di Palermo, Italy (M. Sarà)
NHMC	Natural History Museum of Crete, Greece (P. Lymberakis)
NHMD	Natural History Museum Of Denmark, Copenhagen, Denmark (J. Fjeldså)
NMNHS	Bulgarian Academy Of Sciences National Museum of Natural History Sofia, Bulgaria (Z. Boev)
OFP	Osservatorio Faunistico Provinciale di Lecce , Museo di Calimera, Italy (G. La Gioia)
STRIX-CIBIO	STRIX Ambiente e Inovação (R. Tomè) - Centro de Investigação em Biodiversidade e Recursos Genéticos, Spain (P. Cardia CIBIO)
WWF-RO	WWF Rovigo, Italy (C. Vallarini)

Alb280	Locality	Source	Museum Specimen or Original ID
Alb281	Albania, cost area, Shkoder	M. Šálek	122
Alb282	Albania, cost area, Mifol	M. Šálek	123
Alb283	Albania, cost area, Xarre	M. Šálek	124
Alb284	Albania, cost area, Sarande	M. Šálek	125
Alb285	Albania, cost area, Sarande	M. Šálek	126
Alb286	Albania, cost area, Sarande	M. Šálek	127
Aus348	Albania, cost area, Sarande	M. Šálek	128
Aus349	Austria, Vienna, North-East Austria	EGS	EO2534
Aus350	Austria, Vienna, North-East Austria	EGS	HF49437
Aus351	Austria, Vienna, North-East Austria	EGS	EO2530
Aus352	Austria, Vienna, North-East Austria	EGS	WAAEO2435
Aus353	Austria, Vienna, North-East Austria	EGS	HF3455
Aus354	Austria, Vienna, North-East Austria	EGS	HF49450
Aus355	Austria, Vienna, North-East Austria	EGS	HF3454
Aus356	Austria, Vienna, North-East Austria	EGS	HF3456
Aus357	Austria, Vienna, North-East Austria	EGS	HF3988
Aus358	Austria, Vienna, North-East Austria	EGS	HF41267
Aus359	Austria, Vienna, North-East Austria	EGS	EO2383
Aus447	Austria, Vienna, North-East Austria	EGS	HF39882
Aus449	Austria, Naarn im Machlande, Holzleiten 13	BZL	2006/349
Aus451	Austria, Weidenholz, nordwestlich Waizenkirchen	BZL	2002/379
Aus457	Austria, Waizenkirchen	BZL	1992/66
Bul287	Austria	BZL	2004/381
Bul288	Bulgaria, Central Bulgaria, Čargan	M. Šálek	56
Bul291	Bulgaria, Central Bulgaria, Elenovo	M. Šálek	58
Bul302	Bulgaria, Central Bulgaria, Goljan manastil	M. Šálek	62
Bul338	Bulgaria, Central Bulgaria, Konevo	M. Šálek	70
Bul339	Bulgaria, Central Bulgaria, Ognen	M. Šálek	69
Bul436	Bulgaria, Central Bulgaria, Iskra	M. Šálek	73
Bul437	Bulgaria, Central Bulgaria, Goljan manastil,	M. Šálek	65
Bul438	Bulgaria, Central Bulgaria, Ognen, north end of village	M. Šálek	66
Bul439	Bulgaria, Central Bulgaria, Ognen, east end of village	M. Šálek	67
Bul440	Bulgaria, Central Bulgaria, Goljan manastil	M. Šálek	64
Bul441	Bulgaria, Central Bulgaria, Mežda	M. Šálek	61
Bul442	Bulgaria, Central Bulgaria, Goljan manastil	M. Šálek	63
Bul443	Bulgaria, Central Bulgaria, Nedjalsko, found dead	M. Šálek	92
Cyp459	Bulgaria, Central Bulgaria, Konevo	M. Šálek	71
Cyp460	Cypro, greek part, Politico	M. Šálek	179
Cyp106	Cypro, greek part, Mammari	M. Šálek	180
Cyp278	Cyprus, Cyprus, Petra Romiou	NHMC	
Cyp279	Cyprus, greek part, Astromeritis,	M. Šálek	177

Alb280	Locality	Source	Museum Specimen or Original ID
CzR204	Cyprus, greek part, Agios Ioannis	Appendix S1 M. Šálek	178
CzR206	Czech Rep., Susany, Susany	M. Šálek	
CzR207	Czech Rep., Upohlavy, Upohlavy	M. Šálek	
CzR208	Czech Rep., Cerniv, Cerniv	M. Šálek	
CzR229	Czech Rep., Moraveves, Moraveves	M. Šálek	
CzR230	Czech Rep., Moraveves, Moraveves	M. Šálek	5
CzR231	Czech Rep., Moraveves, Moraveves	M. Šálek	2
CzR232	Czech Rep., Moraveves, Moraveves	M. Šálek	7
CzR233	Czech Rep., Moraveves, Moraveves	M. Šálek	8
CzR234	Czech Rep., Moraveves, Moraveves	M. Šálek	1
CzR235	Czech Rep., Moraveves, Moraveves	M. Šálek	12
Denm210	Czech Rep., Moraveves, Moraveves	M. Šálek	6
Denm211	Denmark, Rødhøjvej, Nørager	NHMD	141346
Denm212	Denmark, Farsø	NHMD	141350
Denm213	Denmark, Farsø	NHMD	142117
Denm214	Denmark, Løgstør	NHMD	141831
Denm215	Denmark, Farsø	NHMD	142121
Denm216	Denmark, Flamsted	NHMD	142119
FrN124	Denmark, Års, Jylland	NHMD	142120
FrN125	France, Île-de-France, Paris, Paris	P. Lecomte & M. Penpeny	FR1
FrN126	France, Île-de-France, Paris, Paris	P. Lecomte & M. Penpeny	FR2
FrN127	France, Île-de-France, Paris, Paris	P. Lecomte & M. Penpeny	FR3
FrN385	France, Île-de-France, Paris, Paris	P. Lecomte & M. Penpeny	FR4
FrN386	France, Normandia, Hattenville (76)	Ass.CHENE	62r2009
FrN387	France, Normandia, Touffreville la Corbeline (76)	Ass.CHENE	79r2009
FrN388	France, Normandia, Normanville (76)	Ass.CHENE	57r2009
FrN389	France, Normandia, Offranville (76)	Ass.CHENE	48r2009
FrN390	France, Normandia, Haute Normandie	Ass.CHENE	xr2009
FrN90	France, Normandia, Hattenville (76)	Ass.CHENE	59r2009
FrS199	France, Vosges, Vosges	MNHN	MNHN, V7
FrS200	France, 06 Alpes Maritimes (Region Provence Alpes Cote d'Azur)	CRSFS-LPO-PACA	AE633174
FrS201	France, 06 Alpes Maritimes (Region Prtovence Alpes Cote d'Azur)	CRSFS-LPO-PACA	AE633175
FrS89	France, 84 Vaucluse (Region Provence Alpes Cote d'Azur)	CRSFS-LPO-PACA	AE633176
FrS91	France, Drome, Drome	MNHN	MNHN, d19
Gre103	France, Drome, Drome	MNHN	MNHN, D8
Gre104	Greece, South central Greece, Perama	NHMC	
Gre116	Greece, Thrace, Dadia forest reserve	NHMC	
Gre117	Greece, Pieria, Veria	ANIMA	
Gre118	Greece, Pieria, Veria	ANIMA	
Gre119	Greece, Pieria, Veria	ANIMA	
Gre120	Greece, Dodecaneso, Rhodes	ANIMA	

Alb280	Locality	Source	Museum Specimen or Original ID
Gre121	Greece, Dodecaneso, Rhodes	ANIMA	
Gre122	Greece, Dodecaneso, Rhodes	ANIMA	
Gre123	Greece, Attica, Markopoulo	ANIMA	
Gre316	Greece, Attica, Markopoulo	ANIMA	
Gre318	Greece, north Greece, Kato Apostoli	M. Šálek	151
Gre319	Greece, north Greece, Fillaria	M. Šálek	160
Gre419	Greece, north Greece, Laka	M. Šálek	165
Gre420	Greece, north Greece, Fillaria	M. Šálek	161
Gre421	Greece, north Greece, Fillaria	M. Šálek	162
Gre422	Greece, north Greece, Laka	M. Šálek	166
Gre423	Greece, north Greece, Laka	M. Šálek	167
Gre424	Greece, north Greece, farm 3km from Laka	M. Šálek	169
Gre425	Greece, north Greece, farm 3km from Laka	M. Šálek	171
Hung268	Greece, north Greece, Audrion	M. Šálek	173
Hung269	Hungary, National park Hortobagy, Szásztek	M. Šálek	1
Hung270	Hungary, National park Hortobagy, Tiszafured	M. Šálek	2
Hung271	Hungary, National park Hortobagy, Ohat	M. Šálek	3
Hung272	Hungary, National park Hortobagy, Mezokovesd	M. Šálek	4
Hung273	Hungary, National park Hortobagy, Tizababolna	M. Šálek	8
Hung274	Hungary, National park Hortobagy, Ohat raliway station (5 km from Ohat village),	M. Šálek	9
Hung275	Hungary, National park Hortobagy, Hortobagy	M. Šálek	10
Hung276	Hungary, National park Hortobagy, Debrecen	M. Šálek	14
Hung326	Hungary, National park Hortobagy, Debrecen	M. Šálek	15
Hung327	Hungary, National park Hortobagy, Hortobagy	M. Šálek	12
Hung328	Hungary, National park Hortobagy, Hortobagy	M. Šálek	11
Hung329	Hungary, National park Hortobagy, Hortobagy	M. Šálek	13
Hung330	Hungary, National park Hortobagy, Debrecen	M. Šálek	16
Hung331	Hungary, National park Hortobagy, Debrecen	M. Šálek	17
Hung332	Hungary, National park Hortobagy	M. Šálek	20
Hung360	Hungary, National park Hortobagy, Mezokovesd	M. Šálek	6
Hung361	Hungary, National park Hortobagy, Cucuvea, Station for the handicap birds Hortobagy	M. Šálek	19
Hung362	Hungary, National park Hortobagy, Mezokovesd	M. Šálek	7
ItC107	Hungary, National park Hortobagy, Ohyo, farm 2 km from Ohyo	M. Šálek	26
ItC108	Italy, Emilia Romagna, Ferrara	MCSNF	
ItC109	Italy, Emilia Romagna, Ferrara	MCSNF	
ItC147	Italy, Emilia Romagna, Ferrara	MCSNF	
ItC149	Italy, Lazio, Roma, Roma	ISPRA	7661
ItC150	Italy, Marche, Fermo, Fermo	ISPRA	5704
ItC152	Italy, Marche, Pesaro Urbino, Pesaro	ISPRA	5794
ItC155	Italy, Marche, Pesaro Urbino, Pesaro	ISPRA	9490
ItC157	Italy, Marche, Pesaro Urbino, Pesaro	ISPRA	7414

Alb280	Locality	Source	Museum Specimen or Original ID
ItC19	Italy, Marche, Pesaro Urbino, Pesaro	ISPRA	9486
ItC20	Italy, Toscana, Prato, Prato	CSN	1875
ItC22	Italy, Toscana, Prato, Prato	CSN	1959
ItC246	Italy, Toscana, Firenze, Signa	CSN	2057
ItC252	Italy, Lazio, Latina, Fondi	A. Galietti	TH9164
ItC257	Italy, Lazio, Roma, Albano Laziale	A. Corso	
ItC29	Italy, Emilia Romagna, Forlì-Cesena, Igea Marina -Bellaria	S. Sava	
ItC30	Italy, Toscana, Pistoia, Pistoia	CSN	1447
ItC31	Italy, Toscana, Pistoia, Pistoia	CSN	1411
ItC32	Italy, Toscana, Pistoia, Quarrata	CSN	1209
ItC33	Italy, Toscana, Firenze, Calenzano	CSN	1829
ItC34	Italy, Toscana, Firenze, Campi Bisenzio	CSN	1524
ItC461	Italy, Toscana, Firenze, Signa	CSN	1333
ItC462	Italy, Toscana, Pistoia , Agliana	CSN	1386/06
ItC463	Italy, Toscana, Pistoia , Pistoia	CSN	1811/06
ItC466	Italy, Toscana, Pistoia , Chiesina Montalese	CSN	1740/06
ItC467	Italy, Toscana, Pistoia , Quarrata	CSN	1223/06
ItC468	Italy, Toscana, Prato, Montemurlo	CSN	1108/06
ItC469	Italy, Toscana, Pistoia , Pontelungo	CSN	1917/06
ItC58	Italy, Emilia Romagna, Val Trebbia,	MSNG	MSNG 47105
ItC59	Italy, Lazio, Frosinone, Sora	MZD	
ItC95	Italy, Lazio, Latina, Latina	MZD	
ItC96	Italy, Emilia Romagna, Ferrara, Rossonia	MCSNP	
ItC97	Italy, Emilia Romagna, Ferrara, Ostellato	MCSNP	
ItN10	Italy, Emilia Romagna, Ferrara, Ro	MCSNP	
ItN100	Italy, Piemonte, Alessandria, Predosa	MCCI	MCCI 197
ItN101	Italy, Friuli Venezia Giulia, Pordenone, Corva	MCSNP	
ItN102	Italy, Friuli Venezia Giulia, Pordenone, Villotta Chions	MCSNP	
ItN11	Italy, Friuli Venezia Giulia, Pordenone, Oecenico di Zoppola	MCSNP	
ItN12	Italy, Piemonte, Cuneo, Cuneo	MCCI	MCCI 635
ItN136	Italy, Piemonte, Torino, Cavour	MCCI	MCCI 1821
ItN137	Italy, Trentino Alto Adige, Trento, Riva del Garda	MTSN	187/208
ItN138	Italy, Trentino Alto Adige, Trento, Borgo Val Sugana	MTSN	206/208
ItN139	Italy, Friuli Venezia Giulia	MTSN	
ItN140	Italy, Friuli Venezia Giulia	MTSN	
ItN146	Italy, Friuli Venezia Giulia	MTSN	
ItN154	Italy, Liguria, La Spezia, La Spezia	ISPRA	7419
ItN16	Italy, Liguria, Savona, Savona	ISPRA	8589
ItN162	Italy, Piemonte, Alessandria, Spineto(Alessandria)	MCCI	MCCI 185
ItN164	Italy, Lombardia, Milano, Limbiate	CRFS-LIPU-MI	344
ItN165	Italy, Lombardia, Pavia, Pavia	CRFS-LIPU-MI	689

Alb280	Locality	Source	Museum Specimen or Original ID
ItN166	Italy, Liguria, Savona, Capo Noli	MSNG	MSNG 700
ItN167	Italy, Liguria, Imola, Porto Maurizio	MSNG	MSNG 674
ItN168	Italy, Liguria, Genova, Voltri, loc. Brusinetti	MSNG	MSNG 650
ItN169	Italy, Liguria, Genova, Sestri Levante	MSNG	MSNG 628
ItN170	Italy, Liguria, Imola, Sanremo	MSNG	MSNG 596
ItN184	Italy, Liguria, Savona, Savona	MSNG	MSNG 439
ItN185	Italy, Piemonte, Cuneo, Peveragno	MCCI	MCCI 2806
ItN187	Italy, Piemonte, Asti, Valle Rej	MCCI	MCCI 2321
ItN247	Italy, Piemonte, Torino, Carmagnola	MCCI	MCCI 410
ItN256	Italy, Friuli Venezia Giulia, Gorizia, Staranzano /Isola della Cona	S. Sava	
ItN321	Italy, Veneto, Rovigo, Badia Polesine	WWF-RO	
ItN39	Italy, Veneto, Rovigo, Badia Polesine	WWF-RO	
ItN40	Italy, Piemonte, Asti, Nizza Monferrato	MCCI	MCCI 2510
ItN41	Italy, Piemonte, Asti, Vaglierano-Valle Rej	MCCI	MCCI 2479
ItN42	Italy, Piemonte, Asti, Tigliole	MCCI	MCCI 2515
ItN43	Italy, Piemonte, Asti, Lipu Asti	MCCI	MCCI 2514
ItN471	Italy, Piemonte, Cuneo, Cavallermaggiore	CRAS-ACCAR	T 49069
ItN473	Italy, Liguria, Imperia	MSNG	MSNG 53347
ItN475	Italy, Liguria, Genova, Borgoratti	MSNG	MSNG 33313
ItN476	Italy, Lombardia, Milano, Pantigliate	CRFS-LIPU-MI	277-2008
ItN477	Italy, Lombardia, Milano, Cuggiono	CRFS-LIPU-MI	528-2008
ItN478	Italy, Lombardia, Pavia, Rivanazzano	CRFS-LIPU-MI	442-2008
ItN482	Italy, Lombardia, Milano, Assago	CRFS-LIPU-MI	548-2008
ItN76	Italy, Lombardia, Pavia, Frascarolo	CRFS-LIPU-MI	173
ItN8	Italy, Lombardia, Pavia, Sannazzaro de Burgondi	CRFS-PO	35 07
ItN80	Italy, Piemonte, Cuneo, Savigliano	MCCI	MCCI 1824
ItN81	Italy, Lombardia, Pavia, Bressana Bottarone	CRFS-PO	
ItN82	Italy, Lombardia, Pavia, Mondondone	CRFS-PO	
ItN83	Italy, Lombardia, Pavia, Stradella	CRFS-PO	
ItN85	Italy, Lombardia, Pavia, Frascarolo	CRFS-PO	172
ItN86	Italy, Sardegna, Oristano, Oristano	M. Grussu	
ItN88	Italy, Toscana, Lucca, Lucca	D. Lo Bue	
ItN9	Italy, Piemonte, Cuneo, Alba	CRAS-ACCAR	
ItN98	Italy, Piemonte, Alessandria, San Giorgio Monferrato	MCCI	Strix 726 Gpso
ItN99	Italy, Friuli Venezia Giulia, Pordenone, Vigonovo Fontanafredda	MCSNP	
ItS110	Italy, Friuli Venezia Giulia, Pordenone, Rauscedo	MCSNP	
ItS148	Italy, Sicilia, Siracusa	A. Corso	
ItS203	Italy, Sicilia, Palermo, Palermo	ISPRA	6831
ItS236	Italy, Sicilia, Ribera-Cattolica Eraclea	N. di Lucia	
ItS24	Italy, Sicilia, Forlì-Cesena, Ribera-Cattolica Eraclea	N. di Lucia	
ItS248	Italy, Puglia, Lecce, Calimera	OFP	402/06

Alb280	Locality	Source	Museum Specimen or Original ID
ItS249	Italy, Campania, Avellino, Conza	R. Balestrieri	
ItS25	Italy, Campania, Salerno, Foria di Centola	A. Galietti	
ItS250	Italy, Puglia, Lecce, Calimera	OFP	439/06
ItS251	Italy, Sicilia, Agrigento, Sciacca	N. di Lucia, A. Volpe	
ItS26	Italy, Campania, Salerno, Foria di Centola	A. Galietti	
ItS345	Italy, Puglia, Lecce, Calimera	OFP	403/06
ItS346	Italy, Molise	D. De Rosa	
ItS347	Italy, Campania, Salerno	A. Galietti	
ItS36	Italy, Campania, Salerno	A. Galietti	
ItS37	Italy, Puglia, Bari, Bitetto	OFP	
ItS38	Italy, Puglia, Lecce, Calimera	OFP	429/06
ItS434	Italy, Puglia, Lecce, Calimera	OFP	406/06
ItS435	Italy, Sicilia, Messina , S. Mauro	MZD	MZD 1878
ItS50	Italy, Sicilia, Messina, Messina	MZD	MZD 1594
ItS51	Italy, Molise, Campobasso, Bojano	CRFS-LIPU-MO	MCCI 301
ItS56	Italy, Molise, Campobasso, S. Martino in Pensilis	CRFS-LIPU-MO	MCCI 804
ItS57	Italy, Sicilia, Agrigento, Agrigento	MZD	
Sard143	Italy, Sicilia, Palermo, Mondello	MZD	
Sard209	Italy, Sardegna, Medio Campidano, Guspini	A. Negri	
Sard433	Italy, Sardegna	D. Pellegrino	
Sard500	Italy, Sardegna, Nuoro, Lanusei	MZD	MZD 1877
Sard501	Italy, Sardegna, Asinara	D. Pisu	T43428
Sard502	Italy, Sardegna, Asinara	D. Pisu	T43426
Sard503	Italy, Sardegna, Asinara	D. Pisu	T43433
Sard504	Italy, Sardegna, Asinara	D. Pisu	T43424
Sard505	Italy, Sardegna, Asinara	D. Pisu	T37580
Sard506	Italy, Sardegna, Asinara	D. Pisu	T43444
Sard92	Italy, Sardegna, Asinara	D. Pisu	T43443
Mac292	Italy, Sardegna, Oristano, Stagno di Santa Giusta	M. Grussu	
Mac294	Macedonia, Central and East part, Crničani	M. Šálek	96
Mac295	Macedonia, Central and East part, Nogaevci	M. Šálek	104
Mac297	Macedonia, Central and East part, Tři češni	M. Šálek	105
Mac298	Macedonia, Central and East part, Ulavci	M. Šálek	108
Mac299	Macedonia, Central and East part, Krivogaštani	M. Šálek	113
Mac300	Macedonia, Central and East part, Gorno selo	M. Šálek	115
Mac301	Macedonia, Central and East part, Dupjačani	M. Šálek	117
Mac341	Macedonia, Central and East part, Zabrčani village	M. Šálek	120
Mac342	Macedonia, Central and East part, Crničani, Dorjan lake	M. Šálek	103
Mac343	Macedonia, Central and East part, Dupjačani	M. Šálek	118
Mac344	Macedonia, Central and East part, Dupjačani	M. Šálek	119
Mac409	Macedonia, Central and East part, Nebregovo, Prilep	M. Šálek	121

Alb280	Locality	Source	Museum Specimen or Original ID
Mac93	Macedonia, Central and East part, Crničani, Farm 5km from village	M. Šálek	99
Por364	Macedonia, Central and East part, Kardifakovo	M. Šálek	100
Por370	Portogallo	MUHNAC	398-AD
Por371	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	k005119
Por372	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	k005115
Por373	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	k005112
Por375	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	k005071
Por376	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	K003853
Por378	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	k005069
Por380	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	k003628
Por382	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	k005065
Por384	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	k003695
Por491	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	k003696
Por494	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	Koo3681
Por495	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	Koo3688
Por496	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	Koo5101
Por497	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	Koo3878
Por498	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	Koo3681
Por499	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	Koo5118
Rom305	Portogallo, Baixo Alentejo, S. Marcos da Atabueira/ Cabeça da Serra	STRIX-CIBIO	Koo3838
Rom306	Romania, Delta of river Danube, Sarichioi	M. Šálek	31
Rom307	Romania, Delta of river Danube, Sarinasuf	M. Šálek	32
Rom308	Romania, Delta of river Danube, Zebil	M. Šálek	35
Rom309	Romania, Delta of river Danube, Plopul	M. Šálek	43
Rom310	Romania, Delta of river Danube, Visina	M. Šálek	39
Rom311	Romania, Delta of river Danube, Visina	M. Šálek	40
Rom312	Romania, Delta of river Danube, Plopul	M. Šálek	44
Rom313	Romania, Delta of river Danube, Victoria	M. Šálek	47
Rom322	Romania, Delta of river Danube, Nufaru	M. Šálek	50
Rom323	Romania, Delta of river Danube, Sarinasuf	M. Šálek	33
Rom324	Romania, Delta of river Danube, Zebil	M. Šálek	36
Rom325	Romania, Delta of river Danube, Sarinasuf	M. Šálek	34
Rom335	Romania, Delta of river Danube, Malcoci	M. Šálek	53
Rom336	Romania, Delta of river Danube, Victoria	M. Šálek	48
Rom337	Romania, Delta of river Danube, Bestepe	M. Šálek	49
Rom415	Romania, Delta of river Danube, Plopul	M. Šálek	46
Rom416	Romania, Delta of river Danube, Sarinasuf, South end of village	M. Šálek	51
Rom417	Romania, Delta of river Danube, Agighiol, wind power station	M. Šálek	30
Rom418	Romania, Delta of river Danube, Plopul	M. Šálek	45
SpC68	Romania, Delta of river Danube, Hotel Wels, 5 km from Bestepe	M. Šálek	37
SpC69	Spain, Madrid, Soto de Vinuelas-Madrid	MNCN	10478

Alb280	Locality	Source	Museum Specimen or Original ID
SpC70	Spain, Toledo, Toledo	Appendix S1 MNCN	10485
SpC71	Spain, Madrid, Madrid	MNCN	10498
SpC72	Spain, Madrid, Guadalix de la Sierra-Madrid	MNCN	10499
SpC73	Spain, Madrid, Villaverde-Madrid	MNCN	10673
SpC74	Spain, Ciudad Real, P.N Cabaneros-Ciudad Real	MNCN	10793
SpC75	Spain, Ciudad Real, P.N Cabaneros-Ciudad Real	MNCN	10794
SpNE217	Spain, Caceres, Cáceres	MNCN	17988
SpNE218	Spain, Almenar	MCN	95-0961-T
SpNE219	Spain, Castillonroy	MCN	95-0972-T
SpNE220	Spain, Orriols	MCN	98-0404-T
SpNE221	Spain, Roses,	MCN	98-0405-T
SpNE222	Spain, Granadella,	MCN	99-0992-T
SpNE223	Spain, Cistella	MCN	2000-0569-T
SpNE224	Spain, Arenys de Munt	MCN	2000-1099-T
SpNE225	Spain, Tarragona	MCN	2002-0498-T
SpNE226	Spain, Corçà	MCN	2007-0438-T
SpNE227	Spain, Banyoles	MCN	2008-0928-T
SpNE228	Spain, Torregrossa	MCN	99-0994-T
SpNE258	Spain, Reus	MCN	99-0995-T
SpNE259	Spain, Barcellona, Sabadell	CRFST	TF/2007/1742
SpNE260	Spain, Barcellona, Badalona	CRFST	TF/2007/2036
SpNE261	Spain, Barcellona	CRFST	T0081623
SpNE262	Spain, Barcellona, Sentmenat	CRFST	TF/2008/1041
SpNE263	Spain, Barcellona, Santa Coloma de Cervellò	CRFST	TF/2009/3849
SpNE264	Spain, Barcellona, Vic	CRFST	TF/2007/1839
SpNE265	Spain, Barcellona, Santa Coloma de Cervellò	CRFST	TF/2006/3039
SpNE320	Spain, Barcelona,	CRFST	TF/2005/3001
Swi188	Spain, Barcelona	CRFST	TF 093765
Swi189	Svizzera, Valle del Ticino	R. Lardelli	
Swi253	Svizzera, Valle del Ticino	R. Lardelli	
Swi254	Svizzera, Ticino, Canton Ticino	R. Lardelli	10
Swi255	Svizzera, Ticino, Canton Ticino	R. Lardelli	
	Svizzera, Ticino, Canton Ticino	R. Lardelli	9

Appendix 2

Microsatellites loci used in the present study including primer sequence, allele size in bp, source and species for which loci were isolated.

Name	Primer sequences	bp	Reference	Species
15A6F	ACCTCAGAAGCAGACAGAACC	21	Thode et al., 2002	<i>Strix occidentalis lucida</i>
15A6R	CCTTTGCGATTGCTGTAAC	19		
Oe045F	GTATGTTCTACGTTGGATTTC	23	Hsu et al., 2003	<i>Otus elegans</i>
Oe045R	AAACCTGGCAAGTGCTGTT	19		
Oe085F	TGCACAGAAATGAAGAAGAG	20	Hsu et al., 2006	<i>Otus elegans</i>
Oe085R	GGGTTTCTCAAAACAGGCAGG	21		
FEPO43F	CGTGAAGGTAAGAGGAGCTGG	21	Proudfoot et al., 2005	<i>Glaucidium brasilianum</i>
FEPO43R	GGAGGGAGCCTGGAAATGG	19		
Oe053F	CTCTGCATCTTAACGCACAGGAC	23	Hsu et al., 2003	<i>Otus elegans</i>
Oe053R	CCTCCAAGTGGACAGGAAAAGC	22		
Ta-212F	AGGGCTGTGCTTCCACTC	18	Burri et al., 2008	<i>Tyto alba</i>
EU220187R	TGCCAAAACACCATCACC	18		
Ta-216F	CAGGCTTCTTCTGAGGTCC	19	Burri et al., 2008	<i>Tyto alba</i>
EU220190R	GCATTGTGAAAGGGTTTACTG	21		
Atn3F	CACTCAGTTTTCCCCAAGA	20	Aurette et al., 2010	<i>Athene noctua</i>
GU252347R	AATGGGCACTGGTGAAAGAG	20		
Atn4F	AAGTAATAAACTTAGTGCCTGGTTTT	26	Aurette et al., 2010	<i>Athene noctua</i>
GU252348R	CAAAGGCTCTCCTTGGATGT	20		
Atn5F	TAGAGCAGCAGTCCCCATTT	20	Aurette et al., 2010	<i>Athene noctua</i>
GU252349R	AGATGGATGGATGGATGGAG	20		
Atn7F	GCTCCTAATAGATGAAGCCAAA	22	Aurette et al., 2010	<i>Athene noctua</i>
GU252351R	CGAGTAGATTGGGACTGGTGA	21		
Atn9F	TTCTGCTATTCAGGCTGCTG	20	Aurette et al., 2010	<i>Athene noctua</i>
GU252353R	TGGGTCATCATGGAACACTG	20		
Atn10F	TCTTCATGACCAAAGGATACCTC	23	Aurette et al., 2010	<i>Athene noctua</i>
GU252354R	GAAATGGAGAAAGGAGCCAAC	21		

Appendix 3. Pairwise values of F_{ST} (microsatellites) among populations of little owl *Athene noctua*. Values marked with asterisk are significant ($P < 0.05$).

	PT	ES	FR	DK	CZ	AT	HU	RO	BG	MK	GR	It_S	It_C	IT_Sar
PT	0													
ES	0,14301*	0												
FR	0,05113*	0,12106*	0											
DK	0,06051*	0,12329*	0,03312*	0										
CZ	0,06177*	0,12429*	0,03712*	0,04201*	0									
AT	0,07495*	0,11273*	0,0459*	0,04197*	0,03152*	0								
HU	0,07562*	0,11409*	0,03746*	0,02805*	0,03146*	0,00015	0							
RO	0,16546*	0,30216*	0,21897*	0,27647*	0,2465*	0,2483*	0,25723*	0						
BG	0,07575*	0,17902*	0,11762*	0,16361*	0,1482*	0,15486*	0,16753*	0,12906*	0					
MK	0,07744*	0,18673*	0,12607*	0,18132*	0,15145*	0,15768*	0,17298*	0,13356*	0,00393	0				
GR	0,05544*	0,18659*	0,11661*	0,16035*	0,14322*	0,16287*	0,17203*	0,16063*	0,03753*	0,03505*	0			
It_S	0,05069*	0,19901*	0,11517*	0,15773*	0,14794*	0,16382*	0,17173*	0,16856*	0,04893*	0,04886*	0,00614	0		
It_C	0,08394*	0,22223*	0,15077*	0,1927*	0,16728*	0,19525*	0,1974*	0,20318*	0,07392*	0,084*	0,04071*	0,02924*	0	
IT_Sar	0,04173*	0,20942*	0,09744*	0,13839*	0,12938*	0,15228*	0,15142*	0,17356*	0,07164*	0,07956*	0,0322*	0,0237*	0,03459*	0
IT_N	0,06692*	0,14116*	0,08701*	0,12959*	0,11637*	0,11733*	0,13037*	0,1362*	0,00778*	0,01169*	0,04501*	0,05012*	0,08214*	0,07415*

Appendix 4

