

Additional file 1 - Specimens and genes sequence information

Specimens and sequence accession numbers included in the study with details of sample codes, voucher number, sex (f: female, m: male, juv.: juvenile), and collection locality. Species names with asterisks were included in lineage age estimation analyses.

† sequences obtained from different specimens to complete gene sampling

nr: near

Species	Sample Code	Vouchures	Sex	Locality	<i>cox1</i>	<i>16S-L1</i>	<i>nad1</i>	<i>12S</i>	<i>h3</i>	<i>18S</i>	<i>28S</i>
Caponiidae											
<i>Caponia</i> sp.	-	ARASP000031	juv.	South Africa, KwaZulu-Natal, St. Lucia Game Reserve, Faines Island	JN689215	JN689214	-	JN689216	-	-	JN705753
Segestriidae											
<i>Segestria</i> sp.*	K200	crba000744	f	Iberian Peninsula, Catalonia, Barcelona, Montseny	JN689168	JN705789	JN705789	JN689126	JN689205	JN689079	JN689044
Dysderidae											
Harpacteinae											
<i>Harpactea fageli</i> *	K247	nhm000041	m	Iberian Peninsula, Madrid, Monasterio de El Paular	JN689144	JN705788	JN705788	JN689104	JN689182	JN689051	JN689040
<i>Holissus unciger</i> *	K480	crba001295	m	Corsica, Pt. du Vecchio, nr. Vivario	JN689149	JN705787	JN705787	JN689107	JN689186	JN689047	JN689036
Dysderinae											
<i>Cryptopararches</i> sp. *	K484	crba001321	m	Turkey, Ayder	JN689136	JN705754	JN705754	JN689092	JN689178	JN689045	JN689008
<i>Dysdera adriatica</i> *	K450	crba001167		Slovenia, Hrpelje-Kozina, Materija	EU068026/ JN689137	EU068064	EU068064	-	GQ285620	JN689048	GQ285610
<i>Dysdera calderensis</i> *	K103	UB4013	m	Canary Islands, La Palma, Garafia, Juan Adalid	AF244309/ JN689138	JN705793	EU139665	JN689093	EU139718	JN689080	EU139788
<i>Dysdera calderensis</i> *	L130	crba001454	m	Canary Islands, La Gomera, Monte de La Zarza	JN689139	JN705755	JN705755	JN689094	JN689179†	JN689069	JN689042
<i>Dysdera cf. inermis</i> *	K226	nhm000255	f	Morocco, Tangier-Tétouan, Tangier	EF458142/ JN689141	EF458092	EF458092	JN689100	EU139726	JN689084	EU139795
<i>Dysdera crocata</i> *	K418	crba000851	m	Iberian Peninsula, Guadalajara, Hoz de Peregrina	EF458137	JN705758	JN705758	JN689095	GQ285621	JN689070	GQ285611
<i>Dysdera gomerensis</i> *	L132	crba001393	f	Canary Islands, La Gomera, Cañada de Jorge	HQ396326	HQ396284	HQ396284	JN689097	HQ396305	JN689081	HQ396311
<i>Dysdera gomerensis</i> *	L133	crba001395	m	Canary Islands, El Hierro, Casa Foresta de Frontera	HQ396327	HQ396285	HQ396285	JN689098	HQ396306	JN689085	HQ396311
<i>Dysdera inermis</i> *	K228	nhm000075	f	Iberian Peninsula, Andalucía, Cadiz, Tarifa	EF458141/ JN689140	EF458091	EF458091	JN689099	HQ407382	JN689077	HQ40738
<i>Dysdera lantosquensis</i> *	K334	crba000678	f	Italy, Tuscany, Monte Argentario	GQ285631	GQ285607/ JN705757	JN705757	JN689096	GQ285626	JN689078	GQ285610

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Dysderinae											
<i>Dysdera silvatica</i> *	K94	UB4155	m	Canary Islands, La Gomera, Barranco de Juel	AF244273/ JN689142	AF244177/ EU139674	EU139674	JN689101	EU139739	JN689083	EU139808
<i>Dysdera silvatica</i> *	K16	UB4177	m	Canary Islands, La Palma, Garafía, Posta de Machín	AF244274	AF244178/ JN705756	JN705756	-	JN689180	-	-
<i>Dysdera silvatica</i> *	X117	nhm000289	m	Canary Islands, El Hierro, Cueva de Longueras	EU068038	EU068072	EU068072	JN689102†	-	JN689050	JN689043
<i>Dysderocrates egregius</i> *	L107	crba001389	f	Romania, Massú Serbea, Baia de Fier, Muierii Cv.	JN689143	JN705759	JN705759	JN689103	JN689181	JN689049	JN689037
<i>Harpactocrates apennicola</i> *	K350	crba000715	m	Italy, Toscana, Massa Carrara, Passo del Cerreto	JN689145	JN705762	JN705762	JN689105	JN689183	JN689088	JN689009
<i>Harpactocrates radulifer</i> *	K60	nhm000300	m	Iberian Peninsula, La Rioja, Vargañón	AF244235/ JN689146	AF244150/ EU139682	EU139682	JN689106	EU139753	JN689052	EU139821
<i>Harpactocrates</i> sp. *	K306	crba000593	f	Turkey, Dedegol Mountains	JN689147	-	-	-	JN689184	JN689071	JN689041
<i>Harpactocrates troglophilus</i> *	K396	crba000992	juv.	Turkey, Burdur	JN689148	JN705760	JN705760	-	JN689185	JN689046	JN689038
<i>Hygrocrates lycaoniae</i> *	K376	crba000827	juv.	Greece, Rhodes, Petaloudes Valley	JN689150	JN705761	JN705761	JN689108	JN689187	JN689089	JN689039
<i>Parachtes andreinii</i> *	LG10	crbaLB000347	m	Italy, Basilicata, Potenza, nr. Fardella	JN689175	JN705771	JN705771	JN689133	JN689211	JN689062	JN689011
<i>Parachtes deminutus</i>	K520	crba001803	f	Iberian Peninsula, Andalucía, Granada, Sierra Nevada, Corral del Veleta	JN689173	JN705790	-	JN689131	-	JN689068	JN689032
<i>Parachtes deminutus</i> *	K521	crba001805	m	Iberian Peninsula, Andalucía, Granada, Sierra Nevada, Puerto de la Ragua	JN689174	JN705791	JN705792	JN689132	JN689210	JN689061	JN689033
<i>Parachtes ignavus</i> *	K479	crba001288	m	France, Corsica, Ajaccio, Foce di Vizzabona	JN689151	JN705763	JN705763	JN689109	JN689188	JN689054	JN689010
<i>Parachtes limbarae</i>	K475	crba001231	f	Italy, Sardinia, Sassari, Punta Balistreri, Monte Limbara	JN689153	JN705772	JN705772	JN689111	JN689190	JN689056	JN689016
<i>Parachtes limbarae</i>	K476	crba001243	m	Italy, Sardinia, Oristano, S. Leonardo, Mt. Ferru	JN689154	JN705773	JN705773	JN689112	JN689191	JN689086	JN689017
<i>Parachtes limbarae</i> *	L270	crba001638	m	Italy Peninsula, Sardinia, Ogliastra, Lanusei	JN689172	JN705774	JN705774	JN689129	JN689209	JN689076	JN689018
<i>Parachtes loboï</i> *	L106	crba000776	m	Iberian Peninsula, Valencia, Alicante, Concentaina	JN689155	JN705775	JN705775	JN689113	JN689192	JN689064	JN689020
<i>Parachtes loboï</i>	K279	crba000418	f	Iberian Peninsula, Valencia, Alicante, Sierra de Aitana, Port de Tudons	JN689156	JN705776	JN705776	JN689114	JN689193	JN689091	JN689026
<i>Parachtes loboï</i>	L136	crbaLB000002	f	Iberian Peninsula, Valencia, Alicante, Serra d'Aitana, Confrides	JN689157	JN705777	JN705777	JN689115	JN689194	JN689072	JN689021
<i>Parachtes loboï</i> *	L137	crbaLB000019	m	Iberian Peninsula, Castilla- La Mancha, Toledo, Robledo del Buey	JN689167	JN705778	JN705778	JN689125	JN689204	JN689074	JN689025
<i>Parachtes</i> n. sp.	K278	crba000387	f	Balearic Islands, Mallorca, Lluc	JN689159	JN705785	JN705785	JN689117	JN689196	JN689058	JN689030
<i>Parachtes</i> n. sp. *	L105	crba001352	f	Balearic Islands, Mallorca, Lluc	JN689160	JN705786	JN705786	JN689118	JN689197	JN689059	JN689031
<i>Parachtes</i> n. sp.	L104	crba001118	m	Italy, Lazio, Frosinone, Monte Cairo	JN689152	JN705765	JN705765	JN689110	JN689189	JN689055	JN689014
<i>Parachtes romandiolae</i>	K352	crba000723	m	Italy, Tuscany, Florence, Vallombrosa	JN689158	JN705766	JN705766	JN689116	JN689195	JN689057	JN689035
<i>Parachtes romandiolae</i> *	K368	crba000716	f	Italy, Tuscany, Massa Carrara, Aulla	JN689162	JN705767	JN705767	JN689120	JN689199	JN689060	JN689015
<i>Parachtes siculus</i> *	L264	crba001636	f	Italy, Sicily, Catania	JN689171	JN705768	JN705768	JN689128	JN689208	JN689090	JN689019
<i>Parachtes</i> sp.	K481	crba001307	juv.	France, Corsica, Porto Vecchio, L'Ospedale	JN689161	JN705764	JN705764	JN689119	JN689198	JN689082	JN689034
<i>Parachtes</i> sp.	K277	nhm000273	juv.	Iberian Peninsula, Navarra, Javier	JN689164	JN705780	JN705780	JN689122	JN689201	JN689065	JN689022
<i>Parachtes</i> sp. *	LG4	crbaLB000341	f	Italy, Lazio, Latina, Campodimele	JN689177	JN705770	JN705770	JN689135	JN689213	JN689063	JN689013
<i>Parachtes teruelis</i>	K204	nhm000293	f	Iberian Peninsula, Aragon, Zaragoza, San Martin de Moncayo	JN689163	JN705779	JN705779	JN689121	JN689200	JN689053	JN689027
<i>Parachtes teruelis</i> *	L103	crba000853	f	Iberian Peninsula, Guadalajara, Hoz de Pelegrina	JN689165	JN705781	JN705781	JN689123	JN689202	JN689066	JN689023
<i>Parachtes teruelis</i>	L135	crbaLB000001	f	Iberian Peninsula, Catalonia, La Noguera, Àger	JN689166	JN705782	JN705782	JN689124	JN689203	JN689073	JN689024
<i>Parachtes teruelis</i>	L260	crbaLB000138	f	Iberian Peninsula, Andalucía, Almería, Cortijo de Umbria	JN689169	JN705783	JN705783	JN689127	JN689206	JN689087	JN689029
<i>Parachtes teruelis</i>	L261	crbaLB000139	f	Iberian Peninsula, Andalucía, Granada, Los Olmos	JN689170	JN705784	JN705784	JN689130	JN689207	JN689075	JN689028

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Dysderinae											
<i>Parachtes verna</i> *	LG43	crbaLB000377	m	Italy, Emilia-Romagna, Forli-Cesena, Bagno di Romagna, Passo dei Mandrioli	JN689176	JN705769	JN705769	JN689134	JN689212	JN689067	JN689012
