

**Additional file 1.** Genbank accession numbers and collection data of the specimens used in the study.

Species	Voucher number	Locality	Coordinates	Date	Accession no.				
					<i>cox1</i>	<i>rrnL</i>			
<i>Hymenoplia arragonica</i>	DA0153	Spain: Andalusia, Arroyo de las Grajas (Sierra de Segura), E Embalse del Tranco, 709m	38°03'10.9"N, 02°48'48.9"W	24.v.2006	FJ847234	FJ956708			
	DA0154				FJ847235	FJ956709			
	DA0158				FJ847236	FJ956710			
	DA0159				FJ847237	FJ956711			
<i>H. clypealis</i>	DA0163	Spain: Castilla la Mancha, Puerto de Niefla (Sierra del Rey), ca 40 km SW Puertollano, 902m	38°32'08.9"N, 04°23'07.7"W	22.v.2006	FJ847238	-			
	DA0164				FJ847239	FJ956712			
	DA0200				FJ847240	FJ956713			
<i>H. escalerae</i>	DA0201	Spain: Alicante, Puerto de Biar, Biar	-	13.v.2006	FJ847241	FJ956714			
	DA0017				FJ847242	FJ956715			
	DA0018				FJ847243	FJ956716			
	DA0019				FJ847244	FJ956717			
<i>H. fulvipennis</i>	DA0021	Spain: Valencia, Balsa en cuneta, Enguera	-	6.v.2006	FJ847244	FJ956717			
	DA0021	Spain: Valencia, Barranco Río Grande, Quesa	-	6.v.2006	FJ847245	FJ956718			
	DA0115	Spain: Andalusia, Hinojos 14.5km E of Almonte, 117m,	37°17'21.1"N, 06°22'26.9"W	16.v.2006	FJ847246	FJ956719			
	DA0116				FJ847247	FJ956720			
	DA0117	Spain: Andalusia, Camping Torre de la Higuera, Dunes (47km SE Huelva), 47m	37°00'50.3"N, 06°34'38.9"W	16.v.2006	FJ847248	FJ956721			
DA0198	FJ847249				FJ956722				
DA0214	Spain: Andalusia, 2 km NE of Faro El Picach de la Barre (ca 20km SE Huelva), 51m				37°08'45.5"N, 06°44'56.4"W	17.v.2006	FJ847250	FJ956723	
<i>H. galaica</i>	DA0215	Spain: Extremadura: Badajoz, 2 km E La Bazana, 5 km SE Jerez , 544m	38°14'40.6"N, 06°40'58.8"W	19.v.2006	FJ847251	FJ956724			
	DA0145				FJ847252	FJ956725			
<i>H. lineolata</i>	DA0146	Spain: Andalusia, Embalse de Retortillo env., 147m	37°50'09.5"N, 05°18'44.7"W	13.v.2006	FJ847253	FJ956726			
	DA0090				FJ847254	FJ956727			
	DA0091				FJ847270	FJ956743			
	DA0092				FJ847255	FJ956728			
	DA0093				FJ847256	FJ956729			
	DA0094				FJ847269	FJ956742			
	DA0095				FJ847257	FJ956730			
	DA0096				FJ847258	FJ956731			
	BM747067				EF487759	EF487803			
	DA0114				Spain: Andalusia, Hinojos 14,5km E of Almonte, 117m	37°17'21.1"N, 06°22'26.9"W	16.V.2006	FJ847259	FJ956732
	DA0119				FJ847260	FJ956733			
	DA0186				Spain: Andalusia, 3 km W Patrás, S of Sierra de Aracena, 282m	37°48'35.9"N, 06°43'55.5"W	19.V.2006	FJ847261	FJ956734
	<i>H. pseudocinerascens</i>				DA0187	Spain: Andalusia, 5 km NW Maria (A317) (Sierra de Maria), 1243m	37°43'42.2"N, 02°13'52.1"W	25.v.2006	FJ847262
DA0149		FJ847263	FJ956736						
DA0150		FJ847264	FJ956737						
<i>H. rugulosa</i>	DA0151	Spain: Extremadura, Camping La Vera (1km E Jarandilla), 647m	40°07'22.4"N, 05°38'18.4"W	21.v.2006	FJ847265	FJ956738			
	DA0140				FJ847266	FJ956739			
	DA0141				FJ847267	FJ956740			
	DA0142				FJ847268	FJ956741			
<i>Paratriodonta romana</i>	BM670857	Italy: Lazio, Castel Porziano	-	-	EF487773	EF487910			