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**Supplementary material**

**Taxonomic revision and insights into the speciation mode of the spider *Dysdera erythrina* species-complex (Araneae : Dysderidae): sibling species with sympatric distributions**

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## Material examined (except for type material)

### *Dysdera catalonica* Řezáč sp. nov.

*Other material examined.* **Spain:** *Catalonia:* Barcelona, Garraf Natural Park, Garraf village, 41.270°N, 1.915°E, *Pinus* and *Quercus ilex* forest, 1 ♀, 27.iv.2009, M. Řezáč (MR); Girona, Colera, Ermita Sant Miquel de Colera, reforested *Pine* forest, 1 ♀, 21.iv.2004, M.A. Arnedo & S. Carranza (CRBA 000679); Cap de Creus Natural Park, Sant Pere de Rodes, near a road, 1 ♀, ii.2002, 1 ♀, vii.2002, E. De Mas (CRBA VO000035–6); Girona, Setcases, 42.356°N, 2.294°E, open *Fagus* forest, 1 ♀, 20.x.2004, M. A. Arnedo & E. De Mas (CRBA 000814). **France:** unknown location, 2 ♂ (MNHN AR5837–8). *Languedoc-Roussillon:* Foret Noire, 1 ♀, unknown date 1993, G. Giribet (CRBA 001225). *Pyrénées Orientales:* Canigou Mt. between Valmanya and La Bastide, 42.537°N, 2.554°E, *Quercus suber* and *Fagus* forest, 1 ♀, 18.x.2004, M.A. Arnedo, E. Mateos & N. López (CRBA 000802), 42.521°N, 2.564°E, 1 ♂, 18.x.2004, M.A. Arnedo, E. Mateos & N. López (CRBA 000805); Argelès, forest Massane, 42.4889°N, 3.0261°E, *Fagus* forest, altitude 700 m, 1 ♂, 1 ♀, 11.iii.1995, J.C. Ledoux & G. Pinault (JL 6545); Banyuls, fontaine Jassal, 42.4389°N, 3.0847°E, forest, altitude 600 m, 1 ♂, 1 ♀, 1 juv., 21.vii.1963, J.C. Ledoux (JL 658); Banyuls, 42.48°N, 3.13°E, 1 ♂, 25.ix.1862, L. Berland (MNHN AR5893); Conat, 42.6194°N, 2.3378°E, altitude 810 m, *Quercus* forest, 2 ♂, 1 ♀, 13.iv.1994, G. Pinault, F. Drécourt & J.C. Ledoux (JL 5165); Nohèdes, Montillà, 42.6331°N, 2.2583°E, altitude 1350 m, *Corylus* wood, 2 ♂, 15.ix.1993, J.C. Ledoux (JL 4489). *Midi-Pyrénées (Ariège):* Bélesta, Rieufourcand, 42.888°N, 1.934°E, under moss, 1 ♂, 1 ♀, 1 juv., 5.iv.2009, S. Danflous (coll. S. Danflous).

### *Dysdera cechica* Řezáč sp. nov.

*Other material examined.* **Austria:** *Wachau area:* Spitz an der Donau, north of Roten Tor, 1 ♀, 15.vi.1996, J. Gruber (NMW). *Hainburger Berge Mts:* Holfsthal, 48.117°N, 16.950°E, 1 ♀, 24.v.1959, J. Gruber (NMW). *Burgenland area:* southern Leithagebirge Mts, 14km east-north-east from Wimpassing, Gaibunhal, 47.933°N, 16.583°E, 1 ♀, 11.v.–29.vi.1969, J. Gruber (NMW); Leithagebirge Mts, Grenzweg, Kaisereiche, 47.883°N, 16.517°E, 1 ♀, 28.vi.1959, J. Gruber (NMW); southern Leithagebirge Mts, south-east from Wimpassing, Lebzelter Mt., 47.883°N, 16.467°E, 3 ♀, 4.vii.1959, J. Gruber (NMW); Leithagebirge Mts, Zeilerberg, 47.917°N, 16.600°E, 1 ♀, 17.v.1959, J. Gruber (NMW); Wulkaniederung, Osliper Meierhof, 47.817°N, 16.600°E, 1 ♂, 1 ♀, 29.iv.1964, J. Gruber (NMW); southern Leithagebirge Mts, Müllendorf, 47.833°N, 16.450°E, 1 ♀, 29.ix.1958, J. Gruber (NMW). **Hungary:** Miskolcz, Also-Háamor, 48.083°N, 20.667°E, 1 ♂, .vii.1873, O. Herman (HNHM); Balatonfüred, northern part of Tihany peninsula, 46.917°N, 17.867°E, 2 ♂, 11 ♀, 28.ix.2006, M. Řezáč (MR); Misina hill above Pécs, 46.100°N, 18.217°E, 1 ♀, 30.ix.2006, M. Řezáč (MR). **Slovakia:** For numerous examined material (under the name *D. lantosquensis*) see Řezáč *et al.* 2008a.

### *Dysdera corallina* Risso

*Material examined.* **Spain:** *Catalonia:* Barcelona: Barcelona, Montjuic, 41.365°N, 2.167°E, *Pinus* forest, 1 ♂, 5.v.2011, S. Déjean (coll. S. Déjean); Garraf Natural Park, along the road from Pleta to Begues, 1 ♂, vi.2002, E. De Mas (CRBA VO000037); Collserola, Can Codina, near Cerdanyola del Valles, 41.47417°N,

2.1475°E, *Quercus ilex* forest, 1 ♂, 13.ix.2006, E. Mateos (CRBA 001408; Montseny Natural Park, camping les Piscines, 41.761°N, 2.389°E, *Quercus ilex* and *Platanus* forest, 2 ♂, 4 ♀, 30.iv.2009, M. Řezáč (MR); Montseny Natural Park, Sant Esteve de Palautordera, 41.728985°N, 2.419703°E, 1 ♂, 20.iii.2006, E. Mateos (CRBA 001366); Montseny Natural Park, camping les Piscines, 41.75916°N, 2.3893°E, 1 ♂, 18.iv.2008, S. Carranza (CRBA VO137); 1 ♂, CRBA VO153); Montseny Natural Park, Cardedeu, Urbanizació les Punjoles, 41.667°N, 2.358°E, anthropic *Quercus ilex* and *Pinus* wood, 2 ♂, (CRBA VO000070 without bulbs), 6.v.2007, C. Ribera (CRBA VO000069–70); Sant Llorenç del Munt Natural Park, 1 ♀, 2.vi.2002, E. De Mas (CRBA VO000040); 2 ♂, 2.vi.2002, (CRBA VO000041); 1 ♀, 15.vi.2002 (CRBA VO000042); 1 ♂, (deformed bulbs), 15.vi.2002 (CRBA VO000043); Girona: Maçanet de Cabrenys, 42.3817°N, 2.7953°E, brook valley in *Quercus suber* forest, 1 ♂, 15.vi.1999, J. Dolanský (MR); La Jonquera, *Q. suber* forest, 1 ♂, 1 ♀, 16.iv.2005, S. Carranza (CRBA 001228–9); Lleida, Sant Joan de l'Erm, 42.418°N, 1.287°E, many ♂ and ♀, vii.1914, 2 ♂, 5 ♀, 1.vi.1914, L. Baviere (MNHN AR5840; Tarragona, Poblet Natural Park, Poblet town, 41.372°N, 1.086°E, *Laurus nobilis* and *Arbutus unedo* forest, 1 ♂, 29.iv.2009, M. Řezáč (MR). **France: Languedoc-Roussillon:** Pyrénées-Orientales, 42.6°N, 2.5°E, many ♂ ♀, unknown date (MNHN AR5837–8); Banyuls, 42.48°N, 3.13°E, 2 ♂, 3 ♀, 25.ix.1862, L. Berland (MNHN AR5893); Banyuls, 42.48°N, 3.13°E, 1 ♂, 1 juv., 29.iii.1964; 4 ♂, 3 ♀, unknown date (MNHN AR5851); Fitou near Perpignan, 42.859°N, 2.958°E, shrubs on limestone on coast, 1 ♂, 2 juv., 2.v.2009, M. Řezáč (MR); Cerbère (uncertain determination), 7 ♂, 1 ♀ (BMNH); dept. Aude, peninsula Leucate, La Franqui, 42.93°N, 3.03°E, dry grassland, 1 ♀, 21.iv.2008, S. Déjean (coll. S. Déjean).

### *Dysdera erythrina* (Walckenaer)

*Other material examined.* **Belgium:** Namur: Frasnes, Carrière du Lion, grassland on limestone, 50.0761°N, 4.515°E, 1 ♀, 30.v.2010, R. Bosmans (coll. R. Bosmans); Liège: Weidig, Weweler, forest around house, 50.1936°N, 6.1547°E, 1 ♂, 1 ♀, 24.v.2003, R. Bosmans (coll. R. Bosmans). **Czechia:** For numerous examined material from Czechia see Řezáč (2012). **France: Île de France:** Paris, 48.544075°N, 2.564020°E, garden, 1 ♀, 31.x.2014, B. Leroy (MR). *Haute-Vienne department:* 45.8°N, 1.4°E, many ♂, and ♀ (MNHN AR5845) (det. by E. Simon as *D. erythrina*). *Rhône:* Lyon, Fay le Noyer, 49.744°N, 3.493°E, 1 ♀, iv.1916, K. Verhoeff (ZMHB: 35202); Côtes d'Armor, Saint Quay Portrieux, 48.65°N, -2.83°E, 3 ♂, 1 ♀, 1858–91, H. Lucas (MNHN AR5829). *Pyrénées-Orientales:* Banyuls, 42.48°N, 3.13°E, 1 ♂, 19 ♀, iv.1931, 3 ♂, 3 ♀, 1 juv., 26.v.1931 (MNHN AR5917, AR 5913); Valmanya, 42.538°N, 2.534°E, many ♂ and ♀, viii.1912 (MNHN AR5852; unknown location, 5 ♂, 4 ♀ (MNHN AR5835); unknown location, many ♂ and ♀ (MNHN AR5737); unknown location, many ♂ and ♀ (MNHN AR5853); unknown location, 2 ♂, 2 ♀ (MNHN AR5836); unknown location, 1 ♂ (MNHN AR5831); Ariège, Cazavet, 43.002°N, 1.043°E, 1 ♂, iii.1962, Salege (MNHN). *Dordogne:* Plazac, 45.0306°N, 1.0500°E, 2 ♂, 1 ♀, 4 juv., 25.ix.1976, J.C. Ledoux (JL 2033BX); Gard, Redessan, road to Meynes, 43.830°N, 4.500°E, 3 ♂, 17.iv.1970, J.C. Ledoux (JL 1581BK). *Hérault:* Grabels near Montpellier, 43.651°N, 3.797°E, *Pinus halepensis* forest with *Erica multiflora*, 2 ♂, 2 ♀, 1 juv., 2.xi.1961, J.C. Ledoux (JL 214); Saint Gély du Fesc, Caucaliès hill, 43.6950°N, 3.8092°E, *Quercus coccifera* garrigue with *Brachypodium ramosum*, 2 ♂, 3 ♀, 16.x.1984, x.1988, anonymous collector (JL 4048DT, 4072EE). *Corrèze:* Brive la Gaillarde, 45.16°N, 1.53°E, 1 ♂, ix.1975 (BMNH). *Mayenne:* Saint Pierre sur Erve, 0.404417°N, 47.992194°E, *Buxus sempervirens* bush on a river bank, 2 ♂, 2 ♀, 18.vii.2011, J.J. Tilly (MR). *Midi-Pyrénées (Haute-Garonne):* Grenade, Saint-Caprais, 43.768°N, 1.328°E, under willow stem, 3 ♂, 2 ♀, 19.iii.2008, S.

Danfloss (coll. S. Danfloss). *Midi-Pyrénées (Tarn)*: Castelnau de Montmiral, Forest Grésigne, 44.020°N, 1.770°E, emergence trap, lower cavities of old trees, 6 ♂, 11 ♀, 7 juv., 2007, N. Gouix, S. Déjean (coll. S. Déjean). *Midi-Pyrénées*: Ariège: Foix: Montgauzy, 42.96207°N, 1.60323°E, garden, under stones, 1 ♀, 28.iii.2008, S. Déjean (coll. S. Déjean); Ariège: Montségur: Montagne de la Frau, 42.82108°N, 1.83927°E, altitude 1400 m, meadow, under stones, 1 ♀, 24.ix.2004, S. Danfloss (coll. S. Danfloss); Ariège: Cazals-des-Bayles: Barrejat, 43.10261°N, 1.94569°E, altitude 350m, dry lawn, under stones, 1 ♀, 24.ii.2008, S. Danfloss (coll. S. Danfloss); Ariège: Saint Jean de Verges: Pech d'Arabaux, 43.00838°N, 1.61718°E, altitude 500 m, dry lawn, under stones, 1 ♀, 2.iii.2008, S. Déjean (coll. S. Déjean); Aveyron: Sébazac Concourès: Causse de la Loubière, 44.42386°N, 2.65546°E, altitude 580 m, dry lawn, under stones, 1 ♂, 1 ♀, 7.v.2010, S. Déjean (coll. S. Déjean); *Haute-Garonne*: Tournefeuille: domaine du Pirac, 43.58213°N, 1.36023°E, altitude 158 m, meadow, under stone, 1 ♀, 14.iii.2008, S. Danfloss (coll. S. Danfloss); Gers: Ornezan: Montcassin, 43.50730°N, 0.628411°E, altitude 250m, dry meadow, 1 ♀, 7.x.2007, S. Danfloss (coll. S. Danfloss); Lot: Cieurac: Camp Ramon, 44.35754°N, 1.49170°E, altitude 280 m, dry lawn, pitfall trap, 1 ♀, 17.iv.2008, 44.35854°N, 1.49359°E, altitude 280 m, dry lawn, under stone, 1 ♂, 16.v.2007, S. Déjean (coll. S. Déjean); Lot: Saint-Jean-de-Laur: domaine de Gayfié, 44.45986°N, 1.84447°E, altitude 270 m, dry lawn, under stones, 1 ♀, 6.iv.2008, S. Danfloss (coll. S. Danfloss); *Tarn*: Penne: Causse Anglars, 44.09518°N, 1.750816°E, altitude 300 m, dry lawn, under stones, 1 ♀, 10.vi.2011, S. Déjean (coll. S. Déjean); *Tarn-et-Garonne*: Caylus: Devèse de Méric, 44.25683°N, 1.76193°E, altitude 310 m, dry lawn, pitfall trap, 1 ♂, 2.vi.2011, S. Déjean (coll. S. Déjean); *Hautes-Pyrénées*: Barbazan-Debat: Forest of Rebisclou, 43.21202°N, 0.13831°E, altitude 370 m, woodland, Malaise trap, 1 ♂, 15.iv.2008, 1 ♀, 21.v.2008, V. Sarthou *et al.* (coll. S. Déjean). **Germany**: Hamburg, 53.600°N, 10.033°E, 1 ♂, 2 ♀ (ZMHB); Muggendorf am Nordhange, 49.8°N, 11.25°E, 1 ♀, 1 juv., 2.viii.1908, F. Dahl (ZMHB); Pommelsbrunn near Nürnberg, 49.50°N, 11.50°E, 1 ♂, 1 ♀, 16.iv.1905, F. Dahl (ZMHB); Geroldgrün, 50.333°N, 11.583°E, 1 ♀, 11.v.1905, F. Dahl (ZMHB); Münster, Rothenfels an der Nahe, 51.950°N, 7.633°E, 2 ♂, 3 juv., 25.x.1916, F. Dahl (ZMHB); Staffelstein, 50.083°N, 10.967°E, 1 ♀, 1 juv., 7.x.1920, F. Dahl (ZMHB); Schlangenbad, Georgenborner Wand, 50.083°N, 8.100°E, 1 ♀, 27.x.1916, F. Dahl (ZMHB); Doulen, Dona, 1 ♀, 24.ix. year unspecified, K. Verhoeff (ZMHB); Wadewitzgrund, 1 ♀, 15.vi. year unspecified, K. Verhoeff (ZMHB); Landstuhl, 49.400°N, 7.567°E, 4 ♀, C.L. Koch (BMNH); Grütz, 52.667°N, 12.267°E, 4 ♀, C.L. Koch (BMNH); Fränkischer Jura, many ♂, and ♀, C.L. Koch (BMNH); Fränkischer Jura, 3 ♂, 1 ♀, L. Koch (NMW); Würzburg, 49.783°N, 9.933°E, many ♂ and ♀, C.L. Koch (BMNH); Freiburg im Breisgau, 47.983°N, 7.833°E, 1 ♀, C.L. Koch (BMNH); Hartmanshof, 49.467°N, 11.567°E, 1 ♂, 1 ♀, C.L. Koch (BMNH); unspecified location, 1 ♀ (BMNH). **Great Britain**: *England*: Surrey, Box Hill, 51.25°N, 0.28°W, 1 ♀, viii.1989, M.R. Gray (AMS: KS30145); Dorset, Swanage, 50.61°N, 1.97°W, 1 ♀, O. Thomas (BMNH); Surrey, Mickleham Downs, 51.274°N, 0.315°W, 1 ♂, 1 ♀, 30.v.1983, P. Hillyard (BMNH); Devon, Salcombe, 50.24°N, 3.78°W, 3 ♀, 3 juv., 13.viii.1927, R.R. Stebbing (BMNH: 200–205). **Mauritius**: 20.3°S, 57.6°E, 1 ♂ (MNHN B022). **Slovakia**: Belánské Tatry Mts., Podspády village, 49.282°N, 20.176°E, 1 ♂, 25.vii.1957, J. Žďárek & J. Jelínek (MR). **Spain**: *Catalonia*: Barcelona: Garraf Natural Park, Begues, 41.333°N, 1.873°E, *Quercus ilex* and *Pinus* forest, 1 ♀, 28.iv.2005, M.A. Arnedo (CRBA 001227).

### *Dysdera fervida* Simon

*Other material examined.* **France:** *Corsica:* Haute Corse, Rogliano, Cape Corse, 42.95818°N, 9.42793°E, 117 m, secondary grown *Quercus ilex* forest, 1 ♂ (specimen used for redescription), 1 ♀, 5.iv.2011, M. A. Arnedo (CRBA 001907, CRBA 001908).

### *Dysdera kropfi* Řezáč sp. nov.

*Other material examined that may belong to this species (erythrina/kropfi morphotype but no karyological data available).* **Switzerland:** *Wallis:* Fully-Follatterre, 46.127°N, 7.083°E, forest fringe, 1 ♂, 24.vi.1989, R. Delarze (NMB: ARAN-20364); *Aargau:* Villnachern, 1 ♂, 1 ♀, 1974, R. Maurer (NMB: ARAN-00156u); *Jura:* Movelier, 47.414°N, 7.326°E, forest fringe, 1 ♂, 16–30.vi.1994, B. Baur (NMB: ARAN-00156i); Vicques, 47.365°N, 7.425°E, meadow, 1 ♂, 17.ix.–1.x.1994, B. Baur (NMB: ARAN-00156j); Chevenez, Trou du Creugenat, 47.398°N, 7.027°E, altitude 470 m, 1 ♂, 4.vi.1988 (NMB: ARAN-00156q); Creux du Van, debris slope, altitude 1220 m, 1 ♀, 31.vii.1996 (NMBB); Gasterntal, .viii.1925, Bartels (NMBB).

### *Dysdera lantosquensis* Simon

*Material examined.* **France:** 3 ♂ (MNHN AR5831. *Alpes-Maritimes:* 2 km north of Moulinet, 43.958°N, 7.412°E, altitude 1000 m, deciduous forest, 2 ♀, 5.ix.1995, F. Gasparo (FG). *Haute-Corse:* Casabianca, Col de San Antonio, near ruin, 42.4453°N, 9.3622°E, 650 m, mixed *Castanea* and *Quercus* forest with stones, 1 ♂, 22.v.1995, R. Bosmans (coll. R. Bosmans). **Italy:** *Cuneo:* Pezzolo Valle Uzzone, 44.54°E, 8.19°E, 1 ♀, 13–18.viii.1970, L. Zunino (MNHN); Demonte, Bergemoletto, 44.30°N, 7.26°E, altitude 800 m, 1 ♀, 6.ix.2001, A. Pesce & A. Trotta (FG); Ormea, Monte Armetta, 44.132°N, 7.978°E, 1600 m, 1 subad. ♂, 7.viii.1994, G. Gardini (FG). *Varese:* Dintorni Azzate, 45.799°N, 8.794°E, altitude 300 m, leaf litter under *Quercus*, 1 ♀, 15.v.2010, S. Zoia (FG). *Imperia:* Ventimiglia, site Ciaixe, 43.823°N, 7.605°E, 430 m, 1 ♀, 27.vi.1995, S. Battefeld (FG); Pigna, Carmo Langan, 43.97°N, 7.72°E, altitude 1000 m, 1 ♀, 27.vi.1995, 3 ♀, 1 subad. ♀, 30.ix.1995, S. Battefeld (FG); Dolcedo, site Trincheri, 43.91°N, 7.93°E, altitude 350 m, 1 ♀, 1 juv., 8.vii–10.viii.1998, 1 ♀, 12.x.1998, A. Todini (FG); Dolcedo, Santa Brigida, 43.899°N, 7.928°E, altitude 445 m, 1 ♀, 2 iv–7.v.1999, 1 ♂, 1 ♀, 8 vi–9.vii.1999, A. Todini (FG); Dolcedo, Vena pass, 43.92°N, 7.88°E, altitude 970 m, 1 ♂, 2 iv–7.v.1999, A. Todini (FG); Rezzo, Torrente Anterigo, 44.02°N, 7.87°E, altitude 745 m, 1 ♀, 1 juv., 25.v.1995, E. Casalino (FG); Diano Marina, 43.899°N, 8.078°E, altitude 5–50 m, *Pinus* forest and maquis, 1 subadult ♂, 4.ix.1995 [matured on 18.xi.1995, preserved on 3.xii.1995], F. Gasparo (FG). *Savona:* Finale Ligure, 44.173°N, 8.338°E, 1 ♀, 21.iii.2002, garden, 1 ♂, 25.iv.2003, near a house, 1 ♀, 14.iii.2004; Alberoni, 1 ♂, 18.v.2001, A. Trotta (FG); Finale Ligure, Monte Caprazoppa, 44.164°N, 8.325°E, garrigue, 1 ♂, 3 ♀, 1 juv., 4.ii.1993, altitude 150 m, *Quercus* forest, 1 ♀, 21.ii.1993, 1 ♀, 15.iv.2001, under stones, 2 ♀, 1.iv.2002; G. Gardini (FG); Loano, San Pietro ai Monti, 44.142°N, 8.202°E, altitude 800 m, 1 ♂, 19.ii.1995, G. Gardini (FG); Magliolo, Melogno, 44.128°N, 8.338°E, altitude 970 m, 1 ♀, 12 v–14.vi.1998, 1 ♀, 18.viii–19.ix.1998, A. Trotta (FG); Balestrino, in the vicinity of Santuario di Monte Croce, 44.125°N, 8.172°E, altitude 740 m, 2 ♂, 6 vi–10.vii.2002, G. Gardini & A. Trotta (FG); Balestrino, Monte Acuto, 44.110°N 8.190°E, altitude 740 m, 1 ♀, 30.xi.1997, L. Marchisio (FG); Sassello, Monte Beigua, site Lajone, 44.439°N, 8.584°E, altitude 990 m, 1 ♂, 31.vii.1995, S. Ferrando (FG); Sassello–Varazze, Monte Beigua, 44.448°N, 8.549°E, altitude 1200 m, meadow,

1 ♀, 15 viii–15.ix.1992, 1 ♂, 1 ♀, 17 x–7.xi.1992, unspecified habitat, 2 ♀, 5–26.ix.1992, 1 ♀, 22 viii–12.ix.1993, 1 ♀, 12 ix–3.x.1993; S. Menato (FG); Varazze, W slopes of Monte Beigua, 44.424°N, 8.563°E, altitude 1000 m, 1 ♀, 22 viii–12.ix.1993, 1 ♀, 12 ix–3.x.1993, S. Menato (FG); Varazze, near Alpicella, 44.406°N, 8.537°E, altitude 700 m, 1 ♂, 27 v–11.vi.1993, S. Menato (FG); Villanova d'Albenga, site Valloni, 44.046°N, 8.136°E, 1 ♂, 1 ♀, 1 juv., 20.iv.2000, 1 ♂, 19.v.2000, G. Calvi; 2 ♂, 1 ♀, 19.v.2000, I. Croce (FG); Villanova d'Albenga, 44.042°N, 8.120°E, 1 ♂, 1 ♀, 20.vii.2000, S. Salvidio (FG). *Genova*: Genova, 44.4192°N, 8.9933°E, ruins on pasture, 1 ♀, 11.xi.2011, J. Dolanský (MR); Borzoli, nitro–hygrophilous weeds, 1 ♀, 27 v–2.vii.2008, F. Pellegrini (FG); Quinto, S slopes of Monte Fasce, 44.412°N, 9.046° altitude 520 m, meadows on limestone, under stones, 1 ♂, 1 ♀, 13.iii.2005, G. Gardini (FG); Quinto, S slopes of Monte Fasce, 44.415°N, 9.048°E, altitude 600 m, 1 ♂, 1 ♀, 24.ii.2010, G. Gardini, altitude 600 m, 1 ♀, 1.v.2010, G. Gardini & C. Giusto (FG); Quinto, SE slopes of Monte Fasce, 44.412°N, 9.052°E, altitude 500 m, 1 ♀, 1 juv., 5.xi.2006, G. Gardini & S. Zoia (FG); Quinto, SE slopes of Monte Fasce, 44.404°N, 9.050°E, altitude 200 m, 6 ♂, 1 ♀, 14.iii.2006, G. Gardini (FG); Quinto, W slopes of Monte Fasce, 44.407°N, 9.041°E, altitude 500 m, 1 ♀, 1 juv., 7.iv.2010, G. Gardini (FG); Quinto, slopes of Monte Moro, 44.390°N, 9.019°E, *Quercus pubescens* forest, altitude 150 m, 1 ♀, 24.ix.2003, G. Gardini (FG); Quinto, S slope of Monte Moro, 44.388°N, 9.019°E, altitude 100 m, 1 ♂, 1 juv., 27.i.2002, 2 ♂, 4 ♀, 14 juv., 15.ii.2008, G. Gardini (FG); Quinto, S slope of Monte Moro, 44.390°N, 9.023°E, altitude 300 m, 1 ♀, 23.iv.2000, G. Gardini (FG); Quinto, SW slope of Monte Moro, 44.391°N, 9.019°E, altitude 150 m, *Quercus* and *Castanea* forest, 1 ♀, 20.ii.2003, G. Gardini (FG); Quinto, W slope of Monte Moro, 44.392°N, 9.021°E, altitude 200 m, hole in *Olea* trunk, 1 ♀, 24.ii.2002, G. Gardini (FG); Quinto, W slope of Monte Moro, 44.392°N, 9.020°E, altitude 130 m, olive wood with *Rosmarinus*, 1 ♂, 2.ii.2007, G. Gardini (FG); Rio Nervi, 44.397°N, 9.057°E, altitude 200 m, 1 ♂, 5.vii.1995, A. Allosia (FG); Nervi, Sant'Ilario, 44.384°N, 9.059°E, hole in *Olea* trunk, 1 ♂, 1 ♀, 1 juv., 30.iii.1999, 1 ♀, 4.iii.2002, G. Gardini (FG); Nervi, Sant'Ilario, Institute Marsano, 44.384°N, 9.059°E, pitfall traps, 1 ♂, 3.xii.2009, A. Comenale & G. Gardini (FG); Sant'Ilario, Monte Giugo, 44.392°N, 9.062°E, 1 ♀, 12.iii.2002, G. Gardini (FG); San Siro di Struppa, 44.455°N, 9.004°E, orchard, 1 ♂, 1 ♀, 2 ii–16.iii.1993, 1 ♂, 1 ♀, 16 iii–6.iv.1993, 5 ♂, 2 ♀, 6 iv–8.v.1993, S. Firullo, vineyard, 2 ♂, 16 iv–8.v.1993, E. Sommariva (FG), San Siro di Struppa, 44.455°N, 9.004°E, orchard, 1 ♂, 1 ♀, 6 iv–8.v.1993, S. Firullo (MR); Arenzano, 44.394°N, 8.682°E, *Crithmum* vegetation near the sea, pitfall traps, 1 ♂, 22.iii.1992, G. Gardini (FG); Arenzano, 44.398°N, 8.682°E, garden, 1 ♀, 20.vii.1995, G. Gardini (FG); Fontanigorda, Lago Marcotto, 44.548°N, 9.328°E, altitude 1050 m, 1 ♂, 19.vi.1995, L. Bianchi (FG); Fontanigorda, slopes Monte Montarlone, 44.56°N, 9.35°E, altitude 1300–1500 m, 1 ♀, 29.viii.1991, R. Gatti (FG). *Pordenone*: Spilimbergo, 46.091°N, 12.908°E, altitude 110 m, ruderal weeds, 1 ♂, 28.xii.1993, F. Gasparo (FG). *Udine*: Marano Lagunare, mouth of the river Stella, 45.734°N, 13.116°E, *Phragmites* wetland, 1 ♂, 9–30.vi.2004, 5 ♂, 28 vii–27.viii.2004, G. Colombetta (FG); Marano Lagunare, Martignana island, northwestern coast, 45.709°N, 13.157°E, altitude 1 m, pitfall traps, 3 ♂, 9.v.2004, 12 ♂, 1 ♀, 30 vi–28.vii.2004, G. Colombetta (FG). *Gorizia*: Grado, Fossalon, right side of the river Isonzo close to the mouth, 45.727°N, 13.544°E, altitude 2 m, *Phragmites* vegetation, 1 ♀, 10–30.iv.2010, G. Colombetta (FG); Staranzano, mouth of the river Isonzo, Cona island, 45.729°N, 13.550°E, 1 ♀, 12.vi.2000, F. Stoch (FG); Staranzano, mouth of the river Isonzo, Cona island, 45.749°N, 13.507°E, pasture, 1 ♂, 12 iii–15.iv.2009, 4 ♂, 1 ♀, 15 iv–9.v.2009, 2 ♂, 19 vi–1.vii.2009, G. Colombetta (FG); Staranzano, mouth of the river Isonzo, Cona island, 45.750°N, 13.504°E, altitude 2 m, eastern bank of Mezza Cona, 1 ♀, 12 iii–15.iv.2009, 3 ♀, 15 iv–9.v.2009, forest, 1 ♂, 3 ♀, 12 iii–

15.iv.2009, forest, 2 ♂, 2 ♀, 15 iv–9.v.2009, forest, 1 ♀, 3.xii.2009–22.i.2010, G. Colombetta (FG); Staranzano, Alberoni, Canale Quarantia, 45.747°N, 13.510°E, altitude 1 m, near pools with salt water, 1 ♀, 30 iv–21.v.2010, G. Colombetta (FG); Monfalcone, Marina Julia, 45.778°N, 13.534°E, altitude 2 m, grassy bank along the seaside, 1 ♀, 18 iii–20.iv.2001, 1 ♀, 20 iv–20.v.2001, G. Colombetta (FG); Monfalcone, Palude Lisert, 45.781°N, 13.576°E, altitude 1 m, forest, 1 ♂, 7 vii–7.viii.2005, G. Colombetta (FG); Monfalcone, Palude Lisert, 45.798°N, 13.577°E, *Phragmites* vegetation, 1 ♂, 1 ♀, 20 iii–16.iv.2008, *Phragmites* vegetation, 1 ♀, 19 ix–21.x.2008, G. Colombetta (FG); Monfalcone, mouth of the river Timavo, 45.779°N, 13.577°E, overflow reservoir, 1 ♂, 27 iv–27.v.2004, 1 ♀, 19 ix–14.x.2004, G. Colombetta (FG). *Trieste*: industrial zone, 45.614°N, 13.813°E, altitude 1 m, *Phragmites* vegetation near the navigable channel, 1 ♂, 1 ♀, 5 v–10.vi.2003, G. Colombetta (FG). *Firenze*: Fiesole, Il Pratone Mt., 43.829°E, 11.339°E, xerothermic grasslands with bush, 1 juv., 7.v.2011, M. Řezáč (MR); Vallombrosa, 43.732°N, 11.550°E, altitude 950 m, under stone in *Abies* forest, 1 ♀, 4.x.1993, F. Gasparo (FG). *Arezzo*: La Verna, 43.708°N, 11.939°E, altitude 1100 m, deciduous forest, 1 ♀, 2.x.1993, F. Gasparo (FG); Camaldoli, 43.787°N, 11.825°E, altitude 760 m, mixed forest, 1 ♀, 5.x.1993, F. Gasparo (FG); Alpe di Poti, aerials, 43.470°N, 11.979°E, altitude 950–970 m, 1 ♂, 3.x.1993, F. Gasparo (FG). *Livorno*: Elba island, Biodola, 42.803°N, 10.273°E, 60–80 m, *Quercus* forest, 1 ♀, 12.iii.1994, F. Gasparo (FG); Elba island, Cavo, 42.852°N, 10.434°E, altitude 20 m, *Quercus* forest, 7 ♀, 13.iii.1994, F. Gasparo (FG); Elba island, Marciana, 42.785°N, 10.167°E, 350 m, *Castanea* wood, 2 ♀, 14.iii.1994, F. Gasparo (FG); Elba island, Capoliveri, 42.743°N, 10.391°E, 130 m, maquis shrubland, 1 ♀, 15.iii.1994, F. Gasparo (FG); Elba island, Portoferraio, Schiopparello well, 42.796°N, 10.357°E, altitude 10 m, dead in the water, 1 ♂, 30.iii.1994, F. Stoch (FG); Elba island, Lacona, Colle alle Vacche, 42.780°N, 10.306°E, altitude 250 m, *Quercus* forest, 1 ♀, 11.iv.2007, G. Gardini & S. Zoia (FG); Campiglia Marittima, 43.069°N, 10.611°E, altitude 180 m, *Quercus* forest, 1 ♂, 1 ♀, 16.iii.1994, F. Gasparo (FG). *Grosseto*: Monte Argentario, 42.40°N, 11.15°E, 1 ♀, 2004, S. Carranza (UB). *Pesaro*: S. Leo, 43.848°N, 12.343°E, altitude 580 m, 1 ♂, 1 ♀, 6.vii.1990, F. Stoch (FG); S. Leo, 43.848°N, 12.343°E, altitude 580 m, 5 ♂, 2 ♀, 15.x.1991, F. Gasparo, 2 ♂, 2 ♀ (MR), 3 ♂ (FG). *Ancona*: Ancona, citadel, 43.6131° / 13.5111°E, ruins of the fortress, 1 ♂, 1 ♀, 27.iii.1999, F. Šťáhlavský (MR); Portonovo, 43.559°N, 13.593°E, altitude 50–100 m, 3 ♀, 12.v.1989, F. Gasparo (FG); Portonovo, 43.561°N, 13.593°E, altitude 30 m, 1 ♂, 2 ♀, 12.x.1991, F. Gasparo (FG); Sirolo, 43.522°N, 13.622°E, altitude 60–80 m, 1 ♀, 13.x.1991, F. Gasparo (FG); Monte Conero, Badia di San Pietro, 43.548°N, 13.615°E, altitude 470 m, 1 ♀, 13.x.1991, F. Gasparo (FG). *Terni*: Fabro, Palombara, 42.84°N, 12.00°E, altitude 263–265 m, 1 ♂, 1 ♀, 20 x–20.xi.1990, P. Borzacchini (FG). **Spain**: *Catalonia*: Tarragona: delta of Ebro river, Amposta, La Tancada camping, 40.6542°N, 0.7789°E, bush on sandy soil, 2 ♂, 11.vi.1999, J. Dolanský (MR); delta of Ebro river, Buda Is., 1 ♀, iv.2002, E. De Mas (CRBA 000494).

*Dysdera minairo* Řezáč sp. nov.

*Other material examined.* **Spain**: *Catalonia*: Cadí-Moixeró Natural Park, Pico de Cerdanya, 2 ♂, 1 ♀, 17.vi.2002, E. De Mas (CRBA VO000044–5); Cadí-Moixeró Natural Park, Prullans, 1 ♂, 1 ♀, 2.vi.2002, E. De Mas (CRBA VO000046–7); Cadí-Moixeró Natural Park, Ridolaina, 1 ♀, 3.vi.2002, E. De Mas (CRBA VO000048).

***Dysdera pradesensis* Řezáč sp. nov.**

*Other material examined.* **France:** 3 ♂ (MNHN AR5837). **Spain: Catalonia:** Tarragona: Poblet Natural Park, Espluga de Francolí, along the road, 1 ♂, 2 ♀, 27.vi.2002, E. De Mas (CRBA VO000052–3).

***Dysdera pyrenaica* Řezáč sp. nov.**

*Other material examined.* **Spain: Catalonia:** Barcelona: Castellar de N'Hug, 42.2836°N, 2.0303, 1517 m, grassland, 1 subadult ♀, 16.iv.2003, M. Arnedo & E. De Mas (CRBA 000400, k494).

***Dysdera stahlavskyi* Řezáč sp. nov.**

*Other material examined.* **France: Var:** Agay near Saint Raphaël, 43.42°N, 6.77°E, 1 ♂, 25.ix.1862, L. Berland (MNHN AR5839); Massif de la Sainte-Baume, les Glasieres, 43.3358°N, 5.7656°E, altitude 670 m, 1 ♀, 18.v.1995, C. Giusto (FG); Iles d'Hyères, Ile de Port Cros, 43.00°N, 6.40°E, 1 ♀, unknown date, S. Carranza (CRBA 000677); Le Luc, Cabasse, La Plaine, 43.433°N, 6.232°E, *Quercus ilex* forest, 1 ♀, 8.xii.1992, G. Gardini & S. Zoia (FG); unknown locality, 3 ♂, 1 ♀ (MNHN AR5836); unknown locality, 1 ♂, 1 ♀ (MNHN AR5835). **Alpes de Haute Provence:** Barles, 44.271°N, 6.293°E, gravel river bank, 1 ♀, 24.iv.2009, M. Řezáč (MR). **Unknown department:** Les Manies, 1 ♂, 1914, Taynes (MNHN AR5931); unknown locality, 5 ♂ (MNHN AR5831); unknown locality, 1 ♂ (MNHN AR5837).



**Table S1. Specimens used in the molecular analysis including their localities and GenBank accession numbers for unique *cox1* gene fragments**

F, female; J, juvenile; M, male; NP, nature park; U, unspecified sex

Species	Sex	Vouchers (DNA code)	Locality	Coordinates	cox1
<i>D. catalonica</i> sp. nov.	M	CRBA 000805/K500	France: Pyrenees, Mont Canigó	42.6039, 2.5644	
<i>D. catalonica</i> sp. nov.	F	CRBA 000814/PK137	Spain: Girona, Setcases	42.3847, 2.3022	
<i>D. catalonica</i> sp. nov.	M	GFPB1/PK258	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1485, 2.5093	
<i>D. catalonica</i> sp. nov.	F	GFPF3/PK261	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1485, 2.5093	
<i>D. catalonica</i> sp. nov.	M	GMPA16/PK264	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1468, 2.5082	
<i>D. catalonica</i> sp. nov.	J	GMPB2/PK266	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1468, 2.5082	
<i>D. catalonica</i> sp. nov.	M	GMPF2/PK275	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1468, 2.5082	
<i>D. catalonica</i> sp. nov.	M	-/S10	Spain: Montseny NP, Turó de l'Home	41.7761, 2.4450	(6)
<i>D. catalonica</i> sp. nov.	M	-/S19	Spain: Montseny NP, Turó de l'Home	41.7761, 2.4450	
<i>D. catalonica</i> sp. nov.	M	-/S20	Spain: Montseny NP, Turó de l'Home	41.7761, 2.4450	
<i>D. catalonica</i> sp. nov.	M	-/S3	Spain: Montseny NP, Turó de l'Home	41.7761, 2.4450	
<i>D. catalonica</i> sp. nov.	M	CRBA VO000125/V92	Spain: Montseny NP, Santa Fe, Font de Passavets	41.7747, 2.4600	
<i>D. catalonica</i> sp. nov.	M	CRBA VO000132/V95	Spain: Montseny NP, Santa Fe, Font de Passavets	41.7747, 2.4600	
<i>D. catalonica</i> sp. nov.	M	CRBA VO000141 /V97	Spain: Montseny NP, Càmping les Piscines	41.7583, 2.3897	
<i>D. catalonica</i> sp. nov.	F	CRBA VO000101/V71	Spain: Montseny NP, Càmping les Illes	41.7983, 2.4061	GQ285642
<i>D. corallina</i>	F	CRBA 0001228/K504	Spain: Pyrenees, La Jonquera	42.4000, 2.8667	
<i>D. corallina</i>	M	CRBA 001963/PK26	France: Forges	43.7872, 3.4347	
<i>D. corallina</i>	M	-/S12	Spain: Montseny NP, Càmping les Piscines	41.7583, 2.3897E	
<i>D. corallina</i>	M	-/S9	Spain: Montseny NP, Càmping les Piscines	41.7583, 2.3897	
<i>D. corallina</i>	M	CRBA VO000069/V73	Spain: Montseny NP, Cardedeu	41.6678, 2.3586E	
<i>D. corallina</i>	M	CRBA VO000070/V76	Spain: Montseny NP, Cardedeu	41.6678, 2.3586E	GQ285643
<i>D. corallina</i>	M	CRBA VO000137/V96	Spain: Montseny NP, Càmping les Piscines	41.7583, 2.3897E	

<i>D. corallina</i>	M	CRBA VO000153/V98	Spain: Montseny NP, Càmping les Piscines	41.7583, 2.3897E	
<i>D. cechica</i> sp. nov.	M	CRBA 000653/K342	Slovakia: Slovak Karst, Hrušov	48.5833, 20.6000	GQ285628 (4)
<i>D. cechica</i> sp. nov.	U	CRBA VO000023/V34	Hungary: Balatonfüred, Tihany peninsula	46.9167, 17.8667	(5)
<i>D. cechica</i> sp. nov.	U	CRBA VO000024/V36	Hungary: Balatonfüred, Tihany peninsula	46.9167, 17.8667	
<i>D. cechica</i> sp. nov.	U	CRBA VO000027/V39	Hungary: Balatonfüred, Tihany peninsula	46.9167, 17.8667	
<i>D. cechica</i> sp. nov.	U	CRBA VO000025/V48	Hungary: Balatonfüred, Tihany peninsula	46.9167, 17.8667	
<i>D. cechica</i> sp. nov.	U	CRBA VO000026/V50	Hungary: Balatonfüred, Tihany peninsula	46.9167, 17.8667	
<i>D. cechica</i> sp. nov..	M	CRBA VO000004/V22	Slovakia: Slovak Karst, Hrušov	48.5833, 20.6000	
<i>D. cechica</i> sp. nov..	M	CRBA VO000005/V23	Czechia: Bohemia, Pardubice	50.0667, 15.8000	
<i>D. cechica</i> sp. nov..	U	CRBA VO000028/V37	Hungary: Misina hill above Pécs	46.1000, 18.2167	
<i>D. erythrina</i>	U	479_SC_AB/-	United Kingdom: Kent, Newnham	51.2862, 0.8029	JQ412445
<i>D. erythrina</i>	U	CRBA 001117/LB237	Czechia: Prague-Motol	50.0667, 14.3500	(5)
<i>D. erythrina</i>	U	CRBA VO000002/V20	Germany: Lörrach, Weil am Rhein	47.6000, 7.6333	
<i>D. erythrina</i>	M	CRBA VO000006/V24	Czechia: Prague, Motol	50.0662, 14.3259	
<i>D. erythrina</i>	U	CRBA VO000106/V78	Czechia: Prague, Divoká Šárka	50.1086, 14.3508	
<i>D. erythrina</i>	U	CRBA VO000108/V80	Czechia: Prague, Divoká Šárka	50.1086, 14.3508	
<i>D. fervida</i>	M	CRBA 001910/RA261	France: Corsica, Rogliano, Cape Corse	42.9582, 9.4279	
<i>D. fervida</i>	F	CRBA 001907/RA262	France: Corsica, Rogliano, Cape Corse	42.9582, 9.4279	
<i>D. fabrorum</i> sp. nov.	J	CRBA 000811/PK136	Spain: Girona, Setcases	42.3847, 2.3022	
<i>D. garrafensis</i> sp. nov.	M	-/S14	Spain: Garraf NP, La Pleta	41.2703, 1.9153	(3)
<i>D. garrafensis</i> sp. nov.	M	-/S15	Spain: Garraf NP, La Pleta	41.2703, 1.9153	
<i>D. garrafensis</i> sp. nov.	M	-/S18	Spain: Garraf NP, La Pleta	41.2703, 1.9153	
<i>D. garrafensis</i> sp. nov.	M	-/S4	Spain: Garraf NP, La Pleta	41.2703, 1.9153	
<i>D. jana</i>	M	MR1/PK247	Italy: Sardinia	39.8667, 9.5183	
<i>D. jana</i>	F	MR2/PK248	Italy: Sardinia	39.8667, 9.5183	

<i>D. jana</i>	F	MR3/PK249	Italy: Sardinia	39.8667, 9.5183	
<i>D. kropfi</i> sp. nov.	M	CRBA 002167/PK306	Switzerland: Liesberg	42.4800, 7.7500	
<i>D. lantosquensis</i>	F	CRBA 000678/K334	Italy: Monte Argentario	42.4333, 11.1167	GQ285631
<i>D. lantosquensis</i>	M	CRBA 000511/K498	Italy: Parco Regionale della Maremma, San Rabano	42.6333, 11.0833	
<i>D. lantosquensis</i>	F	CRBA 001937/PK1	Italy: Genova, ruins on pasture	44.4192, 8.9933	
<i>D. lantosquensis</i>	M	CRBA 001938/PK2	Italy: Genova, ruins on pasture	44.4192, 8.9933	
<i>D. lantosquensis</i>	F	CRBA 001969/PK27	Italy: Bargone	44.3060, 9.4832	
<i>D. minairo</i> sp. nov.	M	CRBA 002118/PK253	Spain: Lleida: Solana de Boí	42.5494, 0.8732	
<i>D. minairo</i> sp. nov.	F	CRBA 000402/K495	Spain: Cadí-Moixeró NP, Riu	42.3361, 1.8256	
<i>D. portsensis</i> sp. nov.	M	-/S5	Spain: Ports de Beseit, near Cova del Vidre	40.7700, 0.3142	
<i>D. pradesensis</i> sp. nov.	M	CRBA 000505/K497	Spain: Serra de Prades, Barranc de la Font d'en Garro	41.3550, 1.0858	
<i>D. pradesensis</i> sp. nov.	F	CRBA VO000017/V31	Spain: Serra de Prades, Montblanc	41.3333, 1.1500	
<i>D. pyrenaica</i> sp. nov.	F	CRBA 000400/K494	Spain: Cadí-Moixeró NP, Castellar de n'Hug	42.2836, 2.0303	
<i>D. pyrenaica</i> sp. nov.	U	RIU 4/PK150	Spain: Lleida: Cadí-Moixeró NP, Riu de Cerdanya	42.3360, 1.8260	
<i>D. pyrenaica</i> sp. nov.	U	RIU 11/PK152	Spain: Lleida: Cadí-Moixeró NP, Riu de Cerdanya	42.3360, 1.8260	
<i>D. pyrenaica</i> sp. nov.	U	RIU 16/PK153	Spain: Lleida: Cadí-Moixeró NP, Riu de Cerdanya	42.3360, 1.8260	
<i>D. pyrenaica</i> sp. nov.	M	-/S1	Spain: Cadí-Moixeró NP, Riu de Cerdanya	42.3361, 1.8256	
<i>D. pyrenaica</i> sp. nov.	M	-/S11	Spain: Cadí-Moixeró NP, Riu de Cerdanya	42.3361, 1.8256	
<i>D. quindecima</i> sp. nov.	M	-/S22	Spain: Montseny NP, Càmping les Piscines	41.7583, 2.3897	
<i>D. quindecima</i> sp. nov.	F	CRBA VO000015/V29	Spain: Montseny NP, Turó de l'Home	41.7761, 2.4450	
<i>D. quindecima</i> sp. nov.	F	CRBA VO000074/V63	Spain: Montseny NP, Santa Fe, Font de Passavets	41.7747, 2.4600	(2)
<i>D. quindecima</i> sp. nov.	F	CRBA VO000079/V66	Spain: Montseny NP, Santa Fe, Font de Passavets	41.7747, 2.4600	
<i>D. quindecima</i> sp. nov.	F	CRBA VO000076/V69	Spain: Montseny NP, Santa Fe, Font de Passavets	41.7747, 2.4600	
<i>D. quindecima</i> sp. nov.	F	CRBA VO000122/V91	Spain: Montseny NP, Santa Fe, Font de Passavets	41.7747, 2.4600	
<i>D. quindecima</i> sp. nov.	F	CRBA VO000129/V93	Spain: Montseny NP, Santa Fe, Font de Passavets	41.7747, 2.4600	
<i>D. septima</i> sp. nov.	F	GFPD4/PK260	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1485, 2.5093	

<i>D. septima</i> sp. nov.	M	GFPF9/PK262	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1485, 2.5093	
<i>D. septima</i> sp. nov.	F	GMPG4/PK265	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1468, 2.5082	
<i>D. septima</i> sp. nov.	M	GMPF7/PK268	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1468, 2.5082	
<i>D. septima</i> sp. nov.	M	GMPC10/PK269	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1468, 2.5082	
<i>D. septima</i> sp. nov.	F	GMPF4-2/PK277	Spain: Girona, Garrotxa Volcanic Zone NP, Volcà de Can Jordà	42.1468, 2.5082	
<i>D. septima</i> sp. nov.	M	-/S16	Spain: Montseny NP, Càmping les Piscines	41.7583, 2.3897	(2)
<i>D. septima</i> sp. nov.	F	CRBA VO000018/V32	Spain: Montseny NP, Can Cervera	41.7667, 2.3833	
<i>D. shardana</i>		CRBA 001247/K477, CRBA 001714/LB297	Italy: Sardinia, Orsitano, Morgongiori, island Benas	39.7606, 8.7606	GQ285633
<i>D. shardana</i>		CRBA 001268/LB294, CRBA 001270/LB307	Italy: Sardinia, Nuoro, Desulo, road to Fonni	40.0564, 9.2294	GQ285634
<i>D. shardana</i>		CRBA 001238/LB295	Italy: Sardinia, Oristano, Cuglieri	40.1794, 8.5856	GQ285635
<i>D. shardana</i>		CRBA 001240/LB296, CRBA 001708/LB300	Italy: Sardinia, Oristano, S. Leonardo 7 Fuentes	40.2036, 8.6897	GQ285636
<i>D. shardana</i>		CRBA 001707/LB299	Italy: Sardinia, Oristano, S. Leonardo 7 Fuentes	40.2036, 8.6897	GQ285637
<i>D. shardana</i>		CRBA 001256/LB301	Italy: Sardinia, Oristano, Morgongiori, Bruncu Mutzuis	39.7714, 8.7467	GQ285638
<i>D. shardana</i>		CRBA 001262/LB303, CRBA 001711/LB306	Italy: Sardinia, Nuoro, Aritzo, Castagneto Geratzia	39.9683, 9.1978	GQ285639
<i>D. shardana</i>		CRBA 001710/LB304	Italy: Sardinia, Nuoro, Aritzo, Castagneto Geratzia	39.9683, 9.1978	GQ285640
<i>D. shardana</i>		CRBA 001263/LB305, CRBA 001712/LB308	Italy: Sardinia, Nuoro, Aritzo, Castagneto Geratzia	39.9683, 9.1978	GQ285641
<i>D. stahlavskyi</i> sp. nov.	F	CRBA 000677/K328	France: Iles d'Hyères	43.0000, 6.3833	GQ285630
<i>D. stahlavskyi</i> sp. nov.	M	-/S6	France: Trigance, Balcons de la Mescla	43.7589, 6.3111	
<i>D. stahlavskyi</i> sp. nov.	M	CRBA VO000111/V81	France: Trigance, Balcons de la Mescla	43.7589, 6.3111	
<i>D. tredecima</i> sp. nov.	M	-/S13	Spain: Montseny NP, Càmping les Piscines	41.7583, 2.3897	
<i>D. tredecima</i> sp. nov.	M	CRBA VO000014/V28	Spain: Montseny NP, Can Cervera	41.7667, 2.3833	

<i>D. undecima</i> sp. nov.	M	-/S17	Spain: Montseny NP, Càmping les Piscines	41.7583, 2.3897	
<i>D. undecima</i> sp. nov.	M	-/S2	Spain: Montseny NP, Càmping les Piscines	41.7583, 2.3897	
<i>D. undecima</i> sp. nov.	F	CRBA VO000016/V30	Spain: Montseny NP, Can Cervera	41.7667, 2.3833	
<i>D. valentina</i>	M	CRBA 000777/K370	Spain: Alacant, Cocontains	38.7628, 0.4769	GQ285632

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**Table S2. Specimens used in the prey preference experiments including localities**

<b>Species</b>	<b>Localities</b>	<b>N</b>
<i>D. catalonica</i> sp. nov.	Spain: Montseny, Can Cervera, 41.774°N, 2.411°E, Turó de l'Home Mt., 41.777°N, 2.445°E	10
<i>D. corallina</i>	Spain: Montseny, les Piscines, 41.761°N, 2.389°E	6
<i>D. cechica</i> sp. nov.	Czechia: Jamolice, 49.0904°N, 16.2480°E	10
<i>D. erythrina</i>	Czechia: Prague-Řeporyje, 50.0296°N, 14.3323°E	10
<i>D. fervida</i>	France: Trigance, 43.767°N, 6.433°E	4
<i>D. garrafensis</i> sp. nov.	Spain: Garraf, 41.270°N, 1.915°E	10
<i>D. kropfi</i> sp. nov.	Switzerland: Liesberg, 42.48°N, 7.75°E	1
<i>D. lantosquensis</i>	Italy: Genova, 44.4192°N, 8.9933°E	2
<i>D. portsensis</i> sp. nov.	Spain: Cova del Vidre, 40.770°N, 0.314°E	2
<i>D. pradesensis</i> sp. nov.	Spain: Poblet, 41.372°N, 1.086°E	2
<i>D. pyrenaica</i> sp. nov.	Spain: Riu de Cerdanya, 42.336°N, 1.826°E	9
<i>D. septima</i> sp. nov.	Spain: Montseny, Can Cervera, 41.7700°N, 2.4041°E, les Piscines, 41.7610°N, 2.3889°E	2
<i>D. tredecima</i> sp. nov.	Spain: Montseny, les Piscines, 41.7610°N, 2.3889°E	1
<i>D. undecima</i> sp. nov.	Spain: Montseny, Can Cervera, 41.7699°N, 2.4042°E, Turó de l'Home Mt., 41.776°N, 2.445°E, les Piscines, 41.7610°N, 2.3889°E	4

**Table S3. Specimens used for cytogenetic study including localities, instar and sex of examined specimens, and date(s) of chromosome preparation**

Stages of spermatogenesis in adult males: A – testes contain both spermatogonia (spermatogonial mitosis) and spermatocytes (meiotic cells); predomination of spermatocytes (meiotic plates); B – meiosis mostly completed (rare meiotic plates, predomination of sperms and mitoses); C – meiosis completed (sperms, mitoses)

Species	Locality (analysed specimens)	Instar and sex, date of experiment (stage of spermatogenesis)
<i>D. catalonica</i> sp. nov.	Spain: Montseny, Can Cervera, 41.774°N, 2.411°E	2 ♂, 14 September 2006 (C)
	Spain: Montseny, Turó de l'Home, 41.777°N, 2.445°E (S3, S10, S19, S20)	4 ♂, 7 May 2009 (C)
	Spain: Montseny, Font de Passavets, 41.78083°N, 2.45222°E (CRBA VO000125/V92)	1 ♂, 15 May 2008 (C)
	Spain: Montseny, Font de Passavets, 41.78083°N, 2.45222°E (CRBA VO000132/V95)	1 ♂, 15 May 2008 (B)
	Spain: Montseny, Càmping Les Piscines, 41.75916°N, 2.3893°E (CRBA VO000141/V97)	1 ♂, 15 May 2008 (B)
<i>D. corallina</i>	Spain: Montseny, Càmping les Piscines, 41.761°N, 2.389°E (S9, S12)	2 ♂, 7 May 2009 (S9 - B, S12 - C)
	Spain: Poblet, 41.372°N, 1.086°E (S8)	1 ♂, 7 May 2009 (A)
	Spain: Montseny, Càmping Les Piscines, 41.75916°N, 2.3893°E (CRBA VO000137/V96)	1 ♂, 15 May 2008 (A)
	Spain: Montseny, Càmping Les Piscines, 41.75916°N, 2.3893°E (CRBA VO000153/V98)	1 ♂, 15 May 2008 (A)
<i>D. cechica</i> sp. nov.	Slovakia: Hrušov, 48.5667°N, 20.6167°E	2 ♂, 27 August 2003 (B) 1 ♂, 2 September 2003 (B)
	Hungary: Balatonfüred, 46.917°N, 17.867°E	2 ♂, 2 October 2006 (C)
	Spain: Montblanc, 41.37°N, 1.15°E	1 ♂, 5 March 2007 (A)
<i>D. dolanskyi</i> sp. nov.	Spain: Montblanc, 41.37°N, 1.15°E	1 ♂, 5 March 2007 (A)
<i>D. erythrina</i>	Czechia: Karlštejn, 49.933°N, 14.150°E	2 ♂, 20 August 2001(A) 1 ♂, 27 August 2003 (A) 1 ♂, 8 September 2003 (A)
	Czechia: Prague-Ruzyně, 50.083°N, 14.300°E	2 ♂, 5 September 2002 (A)
	Czechia: Prague-Ruzyně, 50.083°N, 14.300°E	1 ♂, 17 September 2002 (A)

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	France: Paris, 48.544075°N, 2.564020°E	1 ♀, 31 October 2014
<i>D. garrafensis</i> sp. nov.	Spain: Garraf, La Pleta 41.2567°N, 1.9089°E (S4, S14, S15, S18)	4 ♂, 7 May 2009 (S4, S14, S15, S18 - A, S5 - C)
<i>D. kropfi</i> sp. nov.	Switzerland : Liesberg, 42.48°N, 7.75°E (CRBA 002167/PK306)	1 ♂, 2 October 2013 (B)
<i>D. lantosquensis</i>	Italy: Genova, 44.4192°N, 8.9933°E (CRBA 001937/PK1, CRBA 001938/PK2)	1 ♂ 1 ♀, 5 December 2011 (C)
<i>D. minairo</i> sp. nov.	Spain: Pyrenees, Planes de Son, 42.61361°N, 1.08278°E (CRBA 001701)	1 ♂, 30 October 2008 (A)
	Spain: Pyrenees, Planes de Son, 42.61361°N, 1.08278°E (CRBA 001699)	1 ♀, 7 September 2008
	Spain: Pyrenees, Rasso de Paguera, 42.13917°N, 1.75917°E (CRBA 001721)	1 subadult ♂, 26 November 2008 (A)
<i>D. portsensis</i> sp. nov.	Spain: Ports de Beseit, Cova del Vidre, 40.770°N, 0.314°E (S5, S21)	2 ♂, 7 May 2009 (B)
<i>D. pradesensis</i> sp. nov.	Spain: Poblet, 41.372°N, 1.086°E (S7)	1 ♂, 7 May 2009 (A)
<i>D. pyrenaica</i> sp. nov.	Spain: Pyrenees, Riu de Cerdanya, 42.336°N, 1.826°E (S1, S11)	2 ♂, 7 May 2009 (S1 - C, S11 - B)
<i>D. quindecima</i> sp. nov.	Spain: Montseny, Font de Passavets, 41.78083°N, 2.45222°E (CRBA VO000129/V93)	1 ♂, 15 May 2008 (A)
	Spain: Montseny, Font de Passavets, 41.78083°N, 2.45222°E (CRBA VO000130)	1 ♀, 11 April 2008
	Spain: Montseny, Font de Passavets, 41.78083°N, 2.45222°E (CRBA VO000122/V91)	1 ♀, 11 April 2008
<i>D. septima</i> sp. nov.	Spain: Montseny, Can Cervera, 41.7700°N, 2.4041°E (S 16)	1 ♂, 7 May 2009 (C)
<i>D. stahlavskyi</i> sp. nov.	France: Trigance, 44.731°N, 6.387°E (S6)	1 ♂, 7 May 2009 (B)
<i>D. tredecima</i> sp. nov.	Spain: Montseny, Càmping les Piscines, 41.7610°N, 2.3889°E (S13)	1 ♂, 7 May 2009 (A)
<i>D. undecima</i> sp. nov.	Spain: Montseny, Can Cervera, 41.7699°N, 2.4042°E	1 ♂, 14 Sep 2006 (C)
	Spain: Montseny, Turó de l'Home, 41.776°N, 2.445°E	1 ♂, 7 May 2009
	Spain: Montseny, Càmping les Piscines, 41.7610°N, 2.3889°E (S2, S17)	2 ♂, 7 May 2009 (S17 - B, S2 - C)

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**Table S4. Hypotheses on karyotype evolution of the *D. erythrina*-complex**

Based on comparison of male data [diploid numbers, relative lengths of chromosomes of the haploid set (RCL, %, including standard deviation  $\pm$ SD)]. S - specimen used for chromosome measurements, 2n - diploid number, N - number of evaluated plates, X – X chromosome. Ancestral karyotype of the clade is supposed to be close to chromosome complement of *D. pyrenaica*. Autosome pairs, which are supposed to be homologous are marked by the same colour (except for red). Red colour is used to mark chromosomes involved into fissions or fusions as well as chromosomes produced by these events. D - donor of a fragment, A - acceptor of a fragment. See Fig. 17 for summary of hypotheses on karyotype evolution of the *D. erythrina* complex

Species (S)	2n ♂	N	Particular autosomes of the haploid set (RCL $\pm$ SD)							X (RCL $\pm$ SD)
			1	2	3	4	5	6	7	

**A. Clade formed by *D. stahlavskiyi*, *D. lantosquensis* and *D. cechica***

1. Translocation of a small fragment from 1<sup>st</sup> pair on X chromosome in ancestor of *D. stahlavskiyi*, *D. lantosquensis*, and *D. cechica*. See *D. pyrenaica* for original size of 1<sup>st</sup> pair and X chromosome.
2. Translocation of a small fragment from 1<sup>st</sup> pair on 2<sup>nd</sup> pair in *D. stahlavskiyi*. See *D. pyrenaica* for original size of 1<sup>st</sup> and 2<sup>nd</sup> pair.

<i>D. pyrenaica</i> sp. nov. (S11)	9	5	27.54 $\pm$ 0.49	20.98 $\pm$ 1.12	14.57 $\pm$ 0.20	13.21 $\pm$ 0.63					23.71 $\pm$ 0.66
<i>D. stahlavskiyi</i> sp. nov. (S6)	9	10	24.39 $\pm$ 0.57 <sup>D</sup>	22.73 $\pm$ 0.63 <sup>A</sup>	14.04 $\pm$ 0.64	12.80 $\pm$ 0.40					26.05 $\pm$ 0.72 A

3. Fission of 1<sup>st</sup> pair into two pairs in ancestor of *D. cechica* and *D. lantosquensis*. Karyotype of this ancestral form is supposed to be close to set of *D. pyrenaica*. This rearrangement produced 3<sup>rd</sup> and 4<sup>th</sup> pair of *D. cechica* (supposed homologues are 1<sup>st</sup> and 2<sup>nd</sup> pair of *D. lantosquensis*, see event No. 5 below, karyotypes of *D. cechica* and *D. lantosquensis*).

4. Fission of 2<sup>nd</sup> pair found in *D. pyrenaica* into two uneven products in ancestor of *D. cechica* and *D. lantosquensis*. Large product formed 1<sup>st</sup> pair of *D. cechica*, whereas small one was translocated on X chromosome. See *D. pyrenaica* for original size of X chromosome.

<i>D. pyrenaica</i> sp. nov. (S11)	9	5	27.54±0.49	20.98±1.12	14.57±0.20	13.21±0.63						23.71±0.66
<i>D. cechica</i> sp. nov.	11	10	17.15±0.64	14.70±0.36	13.92±0.21	13.36±0.31	12.76±0.31					28.10±0.76 A
<i>D. lantosquensis</i>												28.61±1.72 A

5. Complex rearrangement involving two autosome pairs. Initiated by fission of 1<sup>st</sup> and 2<sup>nd</sup> pair found in *D. cechica*. Each pair was splitted into two products. Following fusion of two products (each belonging to different pair) formed one of the three pairs of *D. lantosquensis* marked by red. Each of the other two pairs of *D. lantosquensis* marked by red is formed by a remaining product of a fissions (each product belonged to a different pair).

<i>D. cechica</i> sp. nov.	11	10	17.15±0.64	14.70±0.36	13.92±0.21	13.36±0.31	12.76±0.31					28.10±0.76
<i>D. lantosquensis</i> (PK1)	13	10	13.64±0.52	13.06±0.32	12.43±0.31	11.64±0.36	10.75±0.32	9.88±0.51				28.61±1.72
Species (S)	2n ♂	N	Particular autosomes of the haploid set (RCL±SD)									X (RCL±SD)
			1	2	3	4	5	6	7	8	9	

### B. Clade formed by *D. corallina*, *D. dolanskyi*, *D. erythrina*, and *D. kropfi*

6. Considerable increase of autosome number (from four to nine pairs) by fissions in ancestor of the clade whose karyotype is supposed to be close to set of *D. pyrenaica*. Each autosome pair of the ancestor was splitted into two or even three pairs. 1, 2, 3, 4 - products formed by fragmentation of the first, second, third, and fourth autosome pair of the ancestor.

<i>D. pyrenaica</i> sp. nov. (S11)	9	5	27.54±0.49	20.98±1.12	14.57±0.20	13.21±0.63						23.71±0.66
<i>D. corallina</i> (S8)	19	10	12.90±0.43	11.65±0.23	9.48±0.79	8.35±0.32	7.67±0.28	7.25±0.29	6.72±0.31	6.23±0.32	5.70±0.49	24.05±1.01

7. Reduction of X chromosome size in ancestor of *D. dolanskyi*, *D. erythrina*, and *D. kropfi* by formation of X chromosome fragment (X chromosome of *D. erythrina* and *D. kropfi* = X<sub>1</sub> chromosome of *D. dolanskyi*). See *D. corallina* for original size of X chromosome, and events Nos 9-12 below for size of sex

chromosomes in *D. dolanskyi* and *D. kropfi*.

8. Fusion of the X chromosome fragment (formed by event No. 7) and two small autosome fragments (derived from 1<sup>st</sup> and 2<sup>nd</sup> pair) produced X<sub>2</sub> chromosome in *D. dolanskyi*. See *D. erythrina* for original size of the first two autosome pairs.

9. Translocation of a fragment from X<sub>1</sub> to X<sub>2</sub> chromosome in *D. dolanskyi*. Original size of X<sub>1</sub> chromosome is supposed to be the same as size of X chromosome in *D. erythrina*.

<i>D. erythrina</i>	19	10	12.34±0.41	11.53±0.32	10.16±0.38	8.54±0.30	7.96±0.16	7.65±0.20	7.39±0.16	7.11±0.21	6.52±0.23	20.79±0.68
<i>D. dolanskyi</i> sp. nov.	20	10	11.25±0.49D	9.97±0.39D	9.00±0.32	8.16±0.39	7.63±0.23	7.34±0.20	7.00±0.30	6.73±0.25	6.26±0.37	X <sub>1</sub> 19.27±0.73D X <sub>2</sub> 7.39±0.71A

10. Translocation of material of the X chromosome fragment (formed by event No. 7) on two smallest autosome pairs in ancestor of *D. erythrina* and *D. kropfi*. See *D. corallina* for original size of the smallest autosome pairs.

<i>D. corallina</i> (S8)	19	10	12.90±0.4	11.65±0.23	9.48±0.79	8.35±0.32	7.67±0.28	7.25±0.29	6.72±0.31	6.23±0.32	5.70±0.49	24.05±1.01
<i>D. erythrina</i>	19	10	12.34±0.41D	11.53±0.32	10.16±0.38	8.54±0.30	7.96±0.16	7.65±0.20	7.39±0.16	7.11±0.21A	6.52±0.23A	20.79±0.68 D

11. Fusion of 5<sup>th</sup> and 8<sup>th</sup> pair found in *D. erythrina* produced 1<sup>st</sup> pair of *D. kropfi*.

12. Complex rearrangement involving three (6<sup>th</sup>, 7<sup>th</sup>, and 9<sup>th</sup>) autosome pairs found in *D. erythrina*. Initiated by fission of one of these pairs into two parts. Each part fused with one of the two remaining pairs. This event produced 4<sup>th</sup> and 6<sup>th</sup> pair of *D. kropfi*.

<i>D. erythrina</i>	19	10	12.34±0.41	11.53±0.32	10.16±0.38	8.54±0.30	7.96±0.16	7.65±0.20	7.39±0.16	7.11±0.21	6.52±0.23	20.79±0.68
<i>D. kropfi</i> sp. nov. (PK306)	15	5	15.13±0.90	12.88±0.28	11.82±0.51	10.93±0.37	10.38±0.49	9.54±0.31	8.05±0.68			21.25±0.54

Species (S)	2n ♂	N	Particular autosomes of the haploid set (RCL±SD)									X (RCL±SD)
			1	2	3	4	5	6	7	8	9	

**C. Clade formed by *D. undecima*, *D. tredecima*, *D. garrafensis* and *D. portsensis*,**

13. Three autosome fragments (derived from 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> pair found in *D. pyrenaica*) formed the smallest pair in ancestor of the clade. This pair (marked by blue) is possible to detect at all species of the clade (below). See *D. pyrenaica* for original size of 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> pair.

<i>D. pyrenaica</i> sp. nov. (S11)	9	5	27.54±0.49 D	20.98±1.12 D	14.57±0.20	13.21±0.63 D						23.71±0.66
<i>D. undecima</i> sp. nov. (S2)	11	10	21.49±0.75	19.41±0.68	14.39±0.84	11.31±0.53	9.36±0.35					24.03±1.58

14. Fission of 1<sup>st</sup> pair found in *D. undecima* into 3<sup>rd</sup> and 5<sup>th</sup> pair of *D. tredecima*.

<i>D. undecima</i> sp. nov. (S2)	11	10	21.49±0.75	19.41±0.68	14.39±0.84	11.31±0.53	9.36±0.35					24.03±1.58
<i>D. tredecima</i> sp. nov. (S13)	13	5	19.59±1.10	13.98±0.22	12.35±0.60	11.16±0.47	10.56±0.61	9.31±0.47				23.04±1.23

15. Fission of the 1<sup>st</sup> pair found in *D. undecima* into 2<sup>nd</sup> and 5<sup>th</sup> pair in ancestor of *D. garrafensis* and *D. portsensis*. Karyotype of this form was close to set of *D. garrafensis*.

16. Fission of the 2<sup>nd</sup> pair found in *D. undecima* into 4<sup>th</sup> and 7<sup>th</sup> pair in ancestor of *D. garrafensis* and *D. portsensis*. Karyotype of this form was close to set of *D. garrafensis*.

17. Translocation of an autosome material on X chromosome in ancestor of *D. garrafensis* and *D. portsensis*. Donor of autosome material is unclear. See *D. undecima* for original size of X chromosome.

<i>D. undecima</i> sp. nov. (S2)	11	10	21.49±0.75	19.41±0.68	14.39±0.84	11.31±0.53	9.36±0.35					24.03±1.58
<i>D. garrafensis</i> sp. nov. (S14)	15	5	13.85±0.95	11.56±0.63	10.53±0.17	10.30±0.28	10.03±0.31	9.48±0.26	8.64±0.48			25.61±1.73 <sup>A</sup>

18. Translocation of a small fragment from 6<sup>th</sup> on 2<sup>nd</sup> pair in *D. portsensis* (see *D. garrafensis* for original size of these pairs).

19. Translocation of a small fragment from the smallest pair on X chromosome in *D. portsensis* (see *D. garrafensis* for original size of X chromosome).

<i>D.garrafensis</i> sp. nov. (S14)	15	5	13.85±0.95	11.56±0.63	10.53±0.17	10.30±0.28	10.03±0.31	9.48±0.26	8.64±0.48		25.61±1.73
<i>D.portsensis</i> sp. nov. (S5)	15	3	13.63±0.14	12.98±0.34 A	12.01±0.51	11.09±1.05	9.20±0.47	7.44±0.96 D	6.55±0.46 D		27.10±0.84A
Species (S)	2n ♂	N	Particular autosomes of the haploid set (RCL±SD)								X (RCL±SD)
			1	2	3	4	5	6	7	8	9

**D. Clade formed by *D. pyrenaica*, *D. catalonica*, *D. quindecima*, *D. septima*, *D. minairo* and *D. pradesensis***

20. Translocation of a fragment of 1<sup>st</sup> pair on X chromosome in *D. catalonica* (see *D. pyrenaica* for original size of 1<sup>st</sup> pair and X chromosome).

<i>D. pyrenaica</i> sp. nov. (S11)	9	5	27.54±0.49	20.98±1.12	14.57±0.20	13.21±0.63					23.71±0.66
<i>D. catalonica</i> sp. nov. (S3)	9	10	23.49±0.77 D	20.90±0.96	14.02±0.50	12.57±0.76					29.01±1.43 A

21. Fission of 1<sup>st</sup> pair found in *D. pyrenaica* into 4<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> pair of *D. quindecima*

22. Fission of 2<sup>nd</sup> pair found in *D. pyrenaica* into 3<sup>rd</sup> and 5<sup>th</sup> pair of *D. quindecima*

<i>D. pyrenaica</i> sp. nov. (S11)	9	5	27.54±0.49	20.98±1.12	14.57±0.20	13.21±0.63					23.71±0.66
<i>D. quindecima</i> sp. nov. (V93)	15	5	14.40±0.56	13.20±0.2	11.69±0.4	10.60±0.61	9.92±0.07	9.04±0.34	7.33±0.65		23.81±0.69

23. Fission of 2<sup>nd</sup> pair in ancestor of the clade formed by *D. pradesensis*, *D. minairo*, and *D. septima*. Karyotype of this ancestral form is supposed to be close to set of *D. pyrenaica*. This fission event produced two pairs (Nos 4 and 5) of *D. pradesensis* and *D. minairo*.

<i>D. pyrenaica</i> sp. nov. (S11)	9	5	27.54±0.49	20.98±1.12	14.57±0.20	13.21±0.63					23.71±0.66
<i>D. pradesensis</i> sp. nov. (S7)	11	5	27.35±1.22	15.02±0.62	13.53±0.35	11.58±0.42	9.87±0.79				22.65±0.92
<i>D. minairo</i> sp. nov.	11	10	25.42±1.65	14.21±0.82	12.27±0.6	11.35±0.55	10.17±0.57				26.57±1.33

(CRBA 001701)

24, 25. Two pairs formed by previous event fused with other two pairs in ancestor of *D. septima*. Karyotype of this ancestral form was probably close to

chromosome complement of *D. pradesensis*. One fusion involved 2<sup>nd</sup> and 4<sup>th</sup> pair and another one 3<sup>rd</sup> and 5<sup>th</sup> pair.

<i>D. pradesensis</i> sp. nov. (S7)	11	5	27.35±1.22	15.02±0.62	13.53±0.35	11.58±0.42	9.87±0.79	22.65±0.92
<i>D. septima</i> sp. nov. (S16)	7	5	26.92±0.46	25.60±0.27	24.20±0.26			23.28±0.57

26. Translocation of two autosome fragments (from 1<sup>st</sup> and 3<sup>rd</sup> pair) on X chromosome in ancestor of *D. minairo*. Karyotype of this ancestral form was close to *D. pradesensis* (see *D. pradesensis* for original size of 1<sup>st</sup> and 3<sup>rd</sup> autosome pair as well as X chromosome).

<i>D. pradesensis</i> sp. nov. (S7)	11	5	27.35±1.22	15.02±0.62	13.53±0.35	11.58±0.42	9.87±0.79	22.65±0.92
<i>D. minairo</i> sp. nov. (CRBA 001701)	11	10	25.42±1.65 <sup>D</sup>	14.21±0.82	12.27±0.6 <sup>D</sup>	11.35±0.55	10.17±0.57	26.57±1.33 <sup>A</sup>