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### Collection of drosophilids from the Font Groga site, Barcelona (Spain).

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Following a series of studies, another collection of drosophilids was obtained from Font Groga (Barcelona) on 6<sup>th</sup> October 2014. The detailed description of this site can be found in Araúz *et al.* (2009) and samples have been obtained in previous years (Canals *et al.*, 2013; Pineda *et al.*, 2014). A total of 12 baits containing fermenting bananas placed along a trail were used for attracting flies, and they were sampled by nets. Individuals were collected from 4 to 7 pm. In Table 1, the number of individuals of each species and sex is presented.

Table 1. Number and percentage of drosophilids obtained from Font Groga site (Barcelona, Spain) on 6 October 2014.

Species	Number	Percentage
<i>D. subobscura</i> (♂)	18	6.32
<i>D. subobscura</i> (♀)	69	24.21
<i>D. simulans</i> (♂)	37	12.98
<i>D. menalo/simulans</i> (♀)	74	25.96
<i>D. suzukii</i> (♂)	7	2.46
<i>D. suzukii</i> (♀)	51	17.89
<i>D. immigrans</i> (♀)	19	6.67
<i>D. phalerata</i> (♂)	5	1.75
<i>D. phalerata</i> (♀)	4	1.40
<i>D. cameraria</i> (♂)	1	0.35
Total	285	100

It is worth to compare these data with those from the previous samples of 2012 (Canals *et al.*, 2013) and 2013 (Pineda *et al.*, 2014). In the present collection, the most abundant species is the *melano/simulans* group (38.94%), increasing with regard to last year (25.21%), but far from the percentage of 2012 sample (81.01%). In 2014, *D. subobscura* represents 30.53%, approximately half of the percentage detected in 2013 (62.60%), but clearly higher than that of 2012 (6.85%). The invasive species *D. suzukii* has increased reaching the 20.35%, clearly over the 7.98% (2013) and 9.20% (2012). This species seems to be well adapted to the Font Groga habitat.

Finally, we have estimated both the  $H'$  (Shannon diversity index) and  $J$  (Shannon uniformity index). The values obtained were 1.36 and 0.76, respectively. They are similar, but higher than those from 2012 and 2013 samples.

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