

(Figure 1). The unlikely results from Keskin and Atar (2012) should have warranted a thorough explanation in the light of previously known reports (Bembo et al. 1995; Grant et al. 2005; Grant & Bowen 2006; Magoulas et al. 2006; Zarraonaindia et al. 2012) cited in the paper in question. However, no clarification for the null haplotype diversity on each location is produced and we cannot propose any plausible explanation for Keskin and Atar (2012) results. Therefore, we advise extreme caution when dealing with these findings.

References

- Bembo DG, Carvalho GR, Snow M, Cingolani N, Pitcher T. 1995. Stock discrimination among European anchovies *Engraulis encrasicolus*, by means of PCR-amplified mitochondrial DNA analysis. *Fisheries Bull.* 94:31–40.
- Borrell YJ, Piñera JA, Sánchez Prado JA, Blanco G. 2012. Mitochondrial DNA and microsatellite genetic differentiation in the European anchovy *Engraulis encrasicolus* L. *ICES J Marine Sci.* 69:1357–1371.
- Grant WS, Bowen BW. 2006. Living in a tilted world: climate change and geography limit speciation in Old World anchovies (*Engraulis*; *Engraulidae*). *Biol J Linnean Soc.* 88:673–689.
- Grant WS, Leslie RW, Bowen BW. 2005. Molecular genetic assessment of bipolarity in the anchovy genus *Engraulis*. *J Fish Biol.* 67:1242–1265.
- Keskin E, Atar HH. 2012. Genetic structuring of European anchovy (*Engraulis encrasicolus*) populations through mitochondrial DNA sequences. *Mitochondrial DNA* 23:62–69.
- Magoulas A, Castilho R, Caetano S, Marcato S, Patarnello T. 2006. Mitochondrial DNA reveals a mosaic pattern of phylogeographical structure in Atlantic and Mediterranean populations of anchovy (*Engraulis encrasicolus*). *Mol Phylogenet Evol* 3:734–746.
- Pappalardo AM, Federico C, Sabella G, Saccone S, Ferrito V. 2015. A COI nonsynonymous mutation as diagnostic tool for intraspecific discrimination in the European anchovy *Engraulis encrasicolus* (Linnaeus). *PLoS One* 10:e0143297.
- Silva G, Horne JB, Castilho R. 2014. Anchovies go north and west without losing diversity: post-glacial range expansions in a small pelagic fish. *J Biogeography* 41:1171–1182.
- Viñas J, Sanz N, Peñarrubia L, Araguas R-M, García-Marín J-L, Roldán M-I, Pla C. 2013. Genetic population structure of European anchovy in the Mediterranean Sea and the Northeast Atlantic Ocean using sequence analysis of the mitochondrial DNA control region. *ICES J Marine Sci* 71:391–397.
- Zarraonaindia I, Iriondo M, Albaina A, Pardo M, Manzano C, Grant WS, Irigoien X, Estonba A. 2012. Multiple SNP markers reveal fine-scale population and deep phylogeographic structure in European Anchovy (*Engraulis encrasicolus* L.). *PLoS One* 7:e42201.