

Fatty acids composition and age estimation of wild *Octopus vulgaris* paralarvae

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Under culture conditions, lipid composition and specifically, the fatty acid profile of reared paralarvae is significantly different from hatchlings. Therefore, comparing wild paralarvae and reared paralarvae of similar age would allow us to elucidate if the changes in fatty acid profile are related with a non-optimal prey composition or are caused by the normal development. The aim of this study was analyze, for the very first time, the fatty acid profile of wild *Octopus vulgaris* paralarvae individually, determining for each paralarvae their age through deposition of daily increments on lateral hood surface of the beaks. The main goal is to clear up lipid requirements of paralarvae and optimise the diet of reared paralarvae.