

Molecular phylogeny of Opiliones based on 18S rDNA sequences

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Preliminary results of the internal phylogeny of Opiliones are presented based on 18S rDNA sequences of four species: *Centerostoma dubium* (SubO. Palpatores), *Odiellus troguloides* (SubO. Palpatores), *Scotolemon lespessi* (SubO. Laniatores) and *Parasiro coiffaiti* (SubO. Ciphophthalmi). DNA samples were obtained, amplified by PCR technology, ligated into pUC 18 Sma I/BAP dephosphorilated vector and transformed into competent *E. coli*. Three clones of each species have been sequenced completely. Sequences were compared and analysed using phenetic and parsimony methods. Secondary molecular structure were built and compared. An Araneae is used as an outgroup.