



## Polycladida Acotylea from Patagonia. Redescription of *Crassiplana albatrossi* (Pseudostylochidae), lectotype designation and first record of *Notocomplana palta* (Notoplanidae)

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### Abstract

*Crassiplana albatrossi* is redescribed on the basis of material collected in Patagonia (Argentina) and type material deposited in the USNM. The specimens have specific characters, showing tentacles; tentacular, brain and marginal eyes; genital pores in the posterior portion; male copulatory system with penis papilla; prostatic vesicle free, with strong muscular walls; internal epithelium of prostatic vesicle glandular and with conspicuous projections; seminal vesicle present; vagina very long and extending anteriorly up to pharynx; Lang's vesicle absent; genito-intestinal duct present. Known geographic range is increased to include Patagonia (Argentina). Identity of *Notocomplana palta* is confirmed based on the presence of characters in the original description including: strongly muscular seminal vesicle, long, thin and muscular ejaculatory duct stretching into prostatic vesicle, which has a high and folded epithelium; conical penis papilla. A lectotype is designated from the material studied by Marcus and housed in the SMNH. Known geographic range of *Notocomplana palta*, known only from the type locality in south Chile, is enlarged to include Patagonia (Argentina), revealing its Magellanic affinities.

**Key words:** Platyhelminthes, "Turbellaria", Magellanic Region, Argentina, Chile

### Resumen

Basado en material colectado en la Patagonia argentina y en la observación del material tipo depositado en el USNM redescubrimos a *Crassiplana albatrossi* que presenta tentáculos, ojos tentaculares, cerebrales y marginales. Poros genitales separados, en la región posterior. Aparato copulador masculino con una papila peniana. Vesícula prostática libre, de paredes fuertemente musculares. El epitelio interno de la vesícula prostática es glandular con fuertes proyecciones. Vesícula seminal presente. La vagina es extremadamente larga y se extiende anteriormente. Ausencia de vesícula de Lang. Presencia de conducto genito-intestinal. Asimismo ampliamos su distribución a la Patagonia argentina. Confirmamos la identidad de *Notocomplana palta*, la que presenta los atributos de su descripción original, vesícula seminal fuertemente muscularizada, ducto eyaculador largo, delgado y muscular que se adentra en la vesícula prostática con epitelio alto y plegado. Papila peniana cónica. Designamos lectotipo a partir del material trabajado por Marcus y depositado en el SMNH. Ampliamos la distribución de *Notocomplana palta*, conocida hasta ahora solo para la localidad tipo del sur de Chile y la reportamos en la Patagonia argentina, demostrando su abolengo magallánico.

### Introduction

Species of Polycladida in the south of Southwestern Atlantic Ocean are very poorly known, although their presence has been known for a long time (Hyman 1955). Two species of Cotylea have been recently recorded along the northern coast of Patagonia (Brusa *et al.* 2009). Only two records of Acotylea are known, both specimens collected during Antarctic expeditions at the end of the nineteenth and beginning of the twentieth centuries (Faubel 1983). These were studied in Europe and the USA (Faubel 1983, Hyman 1955). Although Marcus—in the mid-twentieth