SYMBIOTIC ASSOCIATIONS BETWEEN CEPHALOPODS AND
THE ROSEOBACTER BACTERIA STRAIN

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ABSTRACT: The accessory nidamental glands (ANG) of sepids and loliginids harbour a dense population of bacteria of unknown functions. The γ-proteobacterium Roseobacter is present in most species. The present results show that 3 Roseobacter strains are associated with the cephalopod ANG. Two strains are specific to cephalopod taxa, the third is grouped together with reference strains of known physiological activity. The latter suggest a possible on the function of Roseobacter strains associated with the cephalopod ANG, in carotenoids production and egg protection by antibiotics and toxins production.