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A new decapod crustacean assemblage from the lower Aptian of La Cova del Vidre (Baix Ebre, province of Tarragona, Catalonia)

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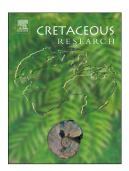
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ACCEPTED MANUSCRIPT

A new decapod crustacean assemblage from the lower Aptian of La Cova del Vidre 1 2 (Baix Ebre, province of Tarragona, Catalonia) 3 Àlex Ossó ^a, Barry van Bakel ^b, Fernando Ari Ferratges-Kwekel ^c, Josep Anton Moreno-4 Bedmar d,* 5 6 7 ^a Llorenç de Vilallonga, 17B, 1er-1^a. 43007 Tarragona, Catalonia 8 ^b Oertijdmuseum, Bosscheweg 80, 5283 WB Boxtel, the Netherlands 9 c Área de Paleontología, Departamento de Ciencias de la Tierra, Universidad de Zaragoza, Zaragoza, Spain 10 d Instituto de Geología, Universidad Nacional Autónoma de México, Ciudad Universitaria, Coyoacán, Ciudad de 11 México, 04510 Mexico 12 13 14 * Corresponding author. 15 E-mail address: josepamb@geologia.unam.mx (J.A. Moreno-Bedmar). 16 ABSTRACT 17 During fieldwork in a small outcrop of the lower Aptian Margas de Forcall Formation at 18 La Cova del Vidre, hitherto known as the type locality of the anomuran Pagurus 19 avellanedai, new decapod crustacean material has been recovered. In this newly 20 21 recovered lot, two undescribed species of brachyuran have been recognised; there are here described as Rathbunopon tarraconensis and Pithonoton lluismariaorum. In 22 addition, numerous remains of the anomuran P. avellanedai, enable an improvement of 23 24 the original description of this taxon, and an analysis of associated ammonites from La Cova del Vidre has resulted in precise age calibration for the first time. 25 26 Keywords: 27

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