On some anthracotheriid (Artiodactyla, Mammalia) remains from northern Greece; comments on the palaeozoogeography and phylogeny of *Elomeryx.*

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Authors: Dimitris S. Kostopoulos1, George D. Koufos1, and Kimon Christanis2;

1. Aristotle University of Thessaloniki, Department of Geology, 54124 Thessaloniki, Greece; 2.University of Patras, Department of Geology, 26504 Rio Patras.

Corresponding author: Dimitris S Kostopoulos: [dkostop@geo.auth.gr](mailto:dkostop@geo.auth.gr);

Appendix I

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 6 | 7 | 8 | 9 | 12 | 14 | 16 | 17 | 18 | 20 | 23 | 24 | 26 | 27 | 29 | 34 | 35 | 38 | 39 | a | b | c | d | e | f | g | h | i | j | k |
| *S. krabiense* | 0 | 0 | ? | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *B. onoideus* | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| *E. crispus* | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| *E. armatus* | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | ? | ? | ? | 0 | 0 | ? | 1 | 0 | 1 | 2 | 1 |
| *E. borbonicus* | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 2 | 1 |
| *Elomeryx* sp.\* | 1 | ? | ? | ? | ? | ? | 1 | ? | ? | ? | 1 | 1 | 1 | 1 | 1 | ? | ? | ? | ? | 1 | ? | ? | ? | 0 | 0 | 0 | 0 | ? | ? | ? |
| *Bakalovia* | ? | 1 | 1 | 0 | 1 | ? | ? | ? | ? | ? | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | ? | ? | 0 | 0 | ? | 0 | 0 | 0 | 0 | ? | ? | ? |
| *E. japonicus* | ? | ? | ? | 1 | 1 | ? | ? | ? | ? | ? | 1 | 1 | 1 | 1 | 1 | ? | ? | ? | ? | ? | 2 | 1 | ? | 0 | ? | 1 | 0 | ? | ? | ? |
| *Arretotherium* | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | ? | ? | 0 | 1 | ? | 1 | ? | 1 | 0 | 1 |
| *Bothriogenys* | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | ? | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| *Sivameryx* | ? | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 2 | 1 | ? | ? | ? | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |

Character-taxon matrix used for parcimony analysis. Outgroup: *Siamotherium* Suteethorn et al., 1988. Numbered characters are adopted from Lihoreau and Ducrocq (2007) with minor modifications (see Appendix II). Character state interpretation based on personal observations, Lihoreau and Ducrocq (2007), and morphological data published by Ducrocq (1999), Geais (1934), Hellmund (1991), Lihoreau (2003), Lihoreau et al. (2009), Nikolov (1967), Macdonald (1956), Schaub (1948), Tsubamoto and Kohno (2011). Note that in differing from Lihoreau and Ducrocq (2007: table 7.1) we suggest character state 6(1) for *E. borbonicus*, 20(1) for *E. crispus* and *E. armatus*, and 27(0) for *E. crispus*. “?” indicates missing data. \*: *Elomeryx* from Moschopotamos