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Autor: Mayo, Néstor A.
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- lower semihypsodonty,
- constant presence of II syncline in the worn P⁴,
- presence of filling laminar synclines or synclinids,
- shorter synclines or synclinids,
- thinner cellular cement in the sinus and sinusid,
- thinner antyclines or antyclinids.
- thinner enamel crest on upper or lower teeth.

Discussion. – MAYO (1984, p. 16, in: ENGESSER et al.) indicated *A. (Archaeomys) kaelini* n. sp. from Fornant-6 as different to *A. (Archaeomys) helveticus* VIANEY-LIAUD 1977. MAYO (1986, p. 5, in: ENGESSER et al.) identified with some doubt the poor material from Talent-6 as *Archaeomys (Archaeomys)* n. sp. from Fornant-6. It could be expected that some morphotypes with pseudograben in unworn or slightly worn teeth, are placed together with morphotypes with graben instead pseudograben, as in the case of the fissure filling of Pech Desse and Pech du Fraysse (Quercy). But in the 52 upper molars from Fornant-6 there are none with pseudograben or a II syncline. That means that of the population 100% have graben or semigraben and the II syncline is completely absent. On the strength of these characters, *A. (Archaeomys) kaelini* n. sp. is a distinguishably different species to *A. (Archaeomys) intermedius*. On the other hand, of the 18 P⁴ there are none represented without a II syncline (see MAYO 1987, p. 29). This character, the smaller size, lower crown height, etc. permits the separation of *A. (Archaeomys) kaelini* n. sp. from *A. (A.) helveticus*. The examination of the IV syncline is especially recommended in all comparison (see MAYO 1987, p. 27–28, Fig. 3). The characters of the maxilla were observed in the specimen from Breitenhöchi.

Measurements in the Tables 48–53.

Statistical test in the Tables 54 and 56.

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