The probllem of *E. altidens* warrants a thorough discussion since its name has been extensively used and abused in the litterature. I am deeply indebted to Lutz Maul for providing me with copies of relevant articles and translations. Figures S5 to S14 collect the pictures and captions published by Reichenau [106] for ‘*Hippotigris altidens’* and photographs and accession numbers of the teeth when they could be traced in the Institut von Quartär Paläontologie collections in Weimar.

Reichenau [106, p.21] did not clearly pointed a single tooth that could be chosen as a type for his new species *Hippotigris altidens*. The name he gave it, however, and the statement that ‘while the upper teeth do not appear to be higher than those of the true Stenonis group, the lower teeth reach a significant height’ [*Während die Oberkieferzähne nicht höher zu sein scheinen, als die der echten Stenonisgruppe, erreichen die Unterkieferzahne eine bedeutende Höhe*] indicate that a lectotype should be a high crowned lower cheek tooth chosen among the teeth figured and mentioned by Reichenau. Thus the lower P2 IQW H.G. Süß. 1373 [106, Pl. VI Fig.17] elected by Schwarz [136] as lectotype is not adequate.

Another feature pointed by Reichenau is that ‘the maxillary molars differ from the Upper Pliocene Stenonis-Ligeris-Robustus teeth by their simply right-angled inner valley, extended into a point, which is not bifurcated by a spur. Only the premolar has a valley bifurcated once by a thin spur’ [*Von den oberpliocänen Stenonis-Ligeris-Robustus Zähnen unterscheiden sich die Oberkiefermolaren durch ihr einfach rechtwinkeliges, in eine Spitze ausgezigenes Innental, welches durch keinen Sporn gegabeltes Tal.*] This is, however, in contradiction with the premolars figured on Plate I-12 (IQW S HG 1371) and Plate VII-18.

Kahlke [135] gave as Syntype the:

* dP4 sup sin. H.G. 1371 (Plate I-12)
* M2inf sin. IQW 1964/854, Süß. 4437 (Plate VI-11,12)
* P2inf dex. HG Süß. 1373 (Plate VI-17)
* M1sup dex. IQW 1964/1199, Süß. 4433 (Plate VII-17)
* M3inf dex. IQW 1964/1101, Süß. 4438 (Plate VII-21,22)
* M3sup dex. IQW 1964/753, Süß. 4435 (Plate IX-4)
* M3sup sin. IQW 1964/996, Süß. 4434 (Plate IX-5)

but did not mention the associated lowers left (Coll. Soergel) mentioned in the text [106, Plate V, Fig. 3] which resemble *E. marxi* by the developed metaconids nor did he mention the upper premolar and upper M3 figured on Plate VII-13 which also resemble *E. marxi*.