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SUPPLEMENTARY ONLINE MATERIAL FOR

**Middle Miocene Bovidae from Mae Moh Basin, Northern Thailand: the first
record of the genus *Eotragus* in Southeast Asia**

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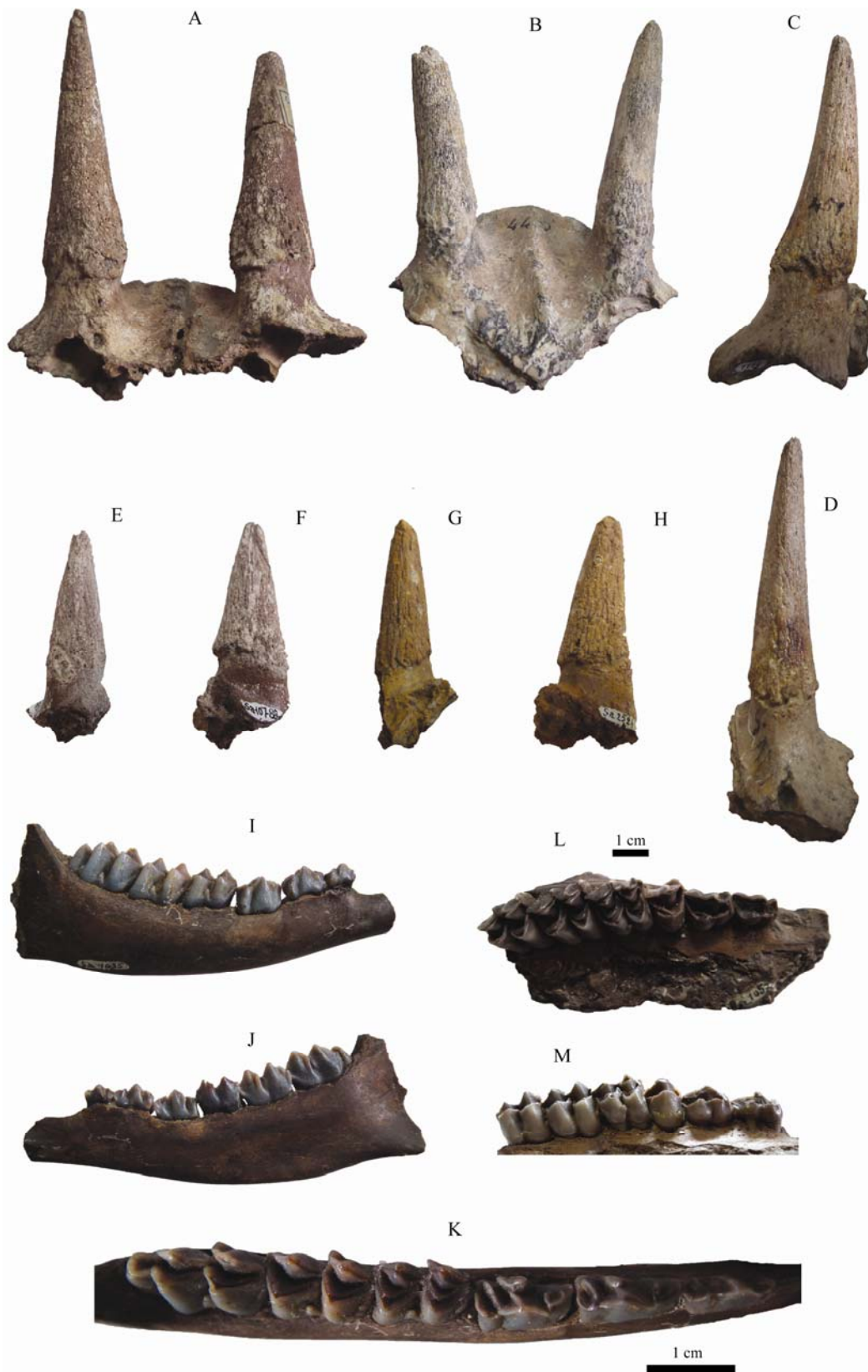
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SOM 1. *Eotragus clavatus* from the locality of Sansan, France. Partial skulls.

SOM 2. Measurements of the basal horn-core diameters of different species of *Eotragus*.

SOM 3. Horn core measurements of three species of *Eotragus*.

SOM 1. *Eotragus clavatus* from the locality of Sansan, France. Partial skulls (morphotype A): MNHN Sa 1183, in anterior view (A), MNHN Sa 1115, in anterior view (B), and MNHN Sa 1113 (a left horn core) in lateral (C) and anterior (D) views; left horn cores (morphotype B): MNHN Sa 10788, in anterior (E) and medial (F) views, and MNHN Sa 2524, in posterior (G) and medial (H) views; right lower jaw: MNHN Sa 1035 in labial (I), lingual (J), and occlusal (K) views; right upper jaw: MNHN Sa 1057, in occlusal (L) and lingual (M) views.



SOM 2. Measurements of the basal horn-core diameters of different species of *Eotragus*.

Taxa	specimens	DAP	DML	References
<i>Eotragus</i> cf. <i>lampangensis</i>	Mae Moh: UPP MM-29	15.9	13.6	
<i>Eotragus</i> cf. <i>lampangensis</i>	Mae Moh: UPP MM-55	17.8	14.0	
<i>Eotragus</i> cf. <i>lampangensis</i>	Mae Moh: UPP MM-56	16.3	13.6	
<i>Eotragus lampangensis</i> sp. nov.	Mae Moh: UPP MM-68	18.4	15.8	
<i>Eotragus halamagaiensis</i>	Halamagai Formation: IVPP V8595.1	23.8	22.0	Ye, 1989
<i>Eotragus halamagaiensis</i>	Halamagai Formation: IVPP V8595.5	19.5	18.8	Ye, 1989
<i>Eotragus halamagaiensis</i>	Halamagai Formation: IVPP V8595.7	24.0	20.4	Ye, 1989
<i>Eotragus halamagaiensis</i>	Halamagai Formation: IVPP V8595.8	21.5	17.0	Ye, 1989
<i>Eotragus halamagaiensis</i>	Halamagai Formation: IVPP V8595.9	19.1	17.0	Ye, 1989
<i>Eotragus halamagaiensis</i>	Halamagai Formation: IVPP V8596.1	24.0	22.0	Ye, 1989
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 1113	24.8	17.7	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 1115	22.4	15.4	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 1183	27.2	20.7	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 1195	22.9	18.7	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 1196	23.9	16.4	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 1197	26.1	18.4	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 2491	20.0	14.0	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 2496	31.0	20.9	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 2514	21.3	16.1	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 2524	20.2	16.4	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 2535	28.7	19.8	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 10788	23.5	16.9	Made, 2012
<i>Eotragus clavatus</i>	Sansan: MNHN Sa 13594	21.8	14.5	Made, 2012
<i>Eotragus clavatus</i>	Labitschberg near Gamlitz: SLJG 1612	24.1	16.0	Made, 2012
<i>Eotragus clavatus</i>	Labitschberg near Gamlitz: SLJG 1614	27.5	17.3	Made, 2012
<i>Eotragus clavatus</i>	Labitschberg near Gamlitz: SLJG 1615	26.6	17.9	Made, 2012
<i>Eotragus clavatus</i>	Göriach: SLJG 3677	26.6	20.8	Made, 2012
<i>Eotragus clavatus</i>	Leoben - Seegraben: SLJG 3745	20.5	15.9	Made, 2012
<i>Eotragus clavatus</i>	Leoben - Seegraben: SLJG 3745	20.5	16.4	Made, 2012
<i>Eotragus</i> aff. <i>clavatus</i>	Tarazona de Aragón: UPV T5.10	20.7	16.0	Badiola et al., 2001
<i>Eotragus</i> aff. <i>clavatus</i>	Tarazona de Aragón: UPV TE.420	22.0	19.0	Badiola et al., 2001
<i>Eotragus</i> aff. <i>clavatus</i>	Tarazona de Aragón: UPV TE.1557	17.7	15.0	Badiola et al., 2001
<i>Eotragus</i> aff. <i>clavatus</i>	Tarazona de Aragón: UPV TE.574	18.6	14.4	Badiola et al., 2001
<i>Eotragus</i> aff. <i>clavatus</i>	Tarazona de Aragón: UPV TS.41	19.0	14.0	Badiola et al., 2001
<i>Eotragus</i> aff. <i>clavatus</i>	Tarazona de Aragón: UPV T6.40	18.8	14.7	Badiola et al., 2001
<i>Eotragus artenensis</i>	Corcoles (Guadalajara): UCM CO-480	16.0	13.0	Alfárez et al., 1981
<i>Eotragus artenensis</i>	Corcoles (Guadalajara): UCM CO-481	20.2	14.8	Alfárez et al., 1981
<i>Eotragus minus</i>	Bugti: NHMUK PAK-2305	12.3	10.1	Ginsburg et al., 2001
<i>Eotragus noyei</i>	Kamlial Formation: NHMUK GSP-Y 31616	14.7	12.6	Solounias et al., 1995
? <i>Eotragus</i> sp.	Negev: AH 1672	22.0	17.7	Tchernov et al., 1987
? <i>Eotragus</i> sp.	Gebel Zelten: NHMUK M 26688	20.6	17.1	Hamilton, 1973
? <i>Eotragus</i> sp.	Gebel Zelten: NHMUK M 26689	16.9	14.3	Hamilton, 1973
<i>Eotragus</i> sp.	Buñol (Valencia): IPS BN 20591	16.7	12.7	Moyà-Solà, 1983
<i>Eotragus</i> sp.	Buñol (Valencia): IPS BN 20592	18.9	16.1	Moyà-Solà, 1983
<i>Eotragus</i> sp.	Loh Formation: NHMW UTO-A-5	21.5	18.5	Vislobokova and Daxner-Höck, 2002

Institutional abbreviations.—**UPP MM**, Mae Moh Paleontological collection, Institut International de Paléoprimatologie, Paléontologie Humaine: Évolution et Paléoenvironnements, University of Poitiers, France; **IVPP**, Institute of Vertebrate Paleontology and Paleoanthropology, Chinese academy of Sciences, Beijing, China; **MNHN**, Muséum National d’Histoire Naturelle, Paris, France; **SLJG**, Steiermärkisches Landesmuseum Joanneum, Graz, Austria; **UPV T**, Tarazona collection, Departamento de Estratigrafía y Paleontología, Facultad de Ciencia y Tecnología, Universidad del País Vasco, Bilbao, Spain; **UCM CO**, Corcoles collection (Guadalajara), Departamento de Paleontología, Facultad de Ciencias Geológicas y Biológicas, Universidad Complutense de Madrid, Spain; **NHMUK**, Natural History Museum, London, United Kingdom; **PAK**, Pakistan collection; **GSP**, Geological Survey of Pakistan; **IPS BN**, Buñol collection, Instituto de Paleontología, Sabadell, Spain; **NHMW UTO**; Ulaan Tolgoi collection, Natural History Museum of Vienna, Austria.

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SOM 3. Horn core measurements of three species of *Eotragus*: *E. clavatus* from Sansan, France

(morphotype A: MNHN Sa 1113, Sa 1115, Sa 1183, Sa 1195, and Sa 2514; morphotype B: MNHN Sa 2524, Sa 10780, and Sa 10788); *Eotragus* aff. *clavatus* from Tarazona de Aragón, Spain (UPV T5.10 and UPV TE.420); and *Eotragus lampangensis* sp. nov. and *Eotragus* cf. *lampangensis* from Mae Moh, Thailand (UPP MM-68 and UPP MM-29).

Specimens	Estimated full height (EH)	Anteroposterior diameter (DAP)	Mediolateral diameter (DML)	EH/DAP	EH/DML
<i>Eotragus clavatus</i>					
Morphotype A					
MNHN Sa 1115	65.0	22.4	15.4	2.9	4.2
MNHN Sa 1183	75.0	27.2	20.7	2.8	3.6
MNHN Sa 2514	62.0	21.3	16.1	2.9	3.9
MNHN Sa 1195	66.5	22.9	18.7	2.9	3.6
MNHN Sa 1113	68.8	24.8	17.7	2.8	3.9
Morphotype B					
MNHN Sa 2524	48.0	20.2	16.4	2.4	2.9
MNHN Sa 10780	49.0	23.3	18.1	2.1	2.7
MNHN Sa 10788	47.0	23.5	16.9	2.0	2.8
<i>Eotragus</i> aff. <i>clavatus</i>					
UPV T5.10	60.3	20.7	16.0	2.9	3.8
UPV TE.420	65.0	22.0	19.0	3.0	3.4
<i>Eotragus lampangensis</i> sp. nov.					
UPP MM-68	65.0	18.4	15.8	3.5	4.1
<i>Eotragus</i> cf. <i>lampangensis</i>					
UPP MM-29	45.0	15.9	13.6	2.8	3.3