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SUPPLEMENTARY ONLINE MATERIAL FOR

Suidae and Santheriidae from Wadi Moghra, early Miocene, Egypt

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Table S1. Measurements (mm) of the upper dentition of Sanitheriidae arranged primarily by dental element to facilitate comparisons (MD – mesiodistal length ; BL – buccolingual breadth).

Specimen	Taxon	Locality	Country	P2		P3		P4		M1		M2		M3	
				MD	BL	MD	BL	MD	BL	MD	BL	MD	BL		
KA 12577 L	<i>D. africanus</i>	Karungu	Kenya	7.0	7.2	8.5	8.0	8.5	9.0	9.4	9.4	9.6	10.5		
KA 12577 R	<i>D. africanus</i>	Karungu	Kenya	7.2	6.5	8.0	7.5	8.5	9.5					12.0	10.4
M 11939	<i>D. africanus</i>	Bugti	Pakistan	7.2	5.6	7.5	7.0	7.6	8.7	10.0	9.6	10.5	11.0		
WM-05-50 L	<i>D. africanus</i>	Moghra	Egypt	7.0	5.1	8.4	6.9	7.9	8.3	10.6	10.6	12.5	12.3		
WM-05-50 R	<i>D. africanus</i>	Moghra	Egypt	7.1	5.3	8.2	7.1	8.1	8.3	10.4	10.4	12.4	12.0		
WM-05-21	<i>D. africanus</i>	Moghra	Egypt									12.2	11.9		
BAR 263'02	<i>D. nadirus</i>	Kipsaraman	Kenya	7.0	7.0										
BAR 2661'03	<i>D. nadirus</i>	Kipsaraman	Kenya	7.4	6.6										
BAR 2696'03	<i>D. nadirus</i>	Kipsaraman	Kenya	-	6.0										
No #	<i>S. leobense</i>	Leoben	Austria	7.5	5.5	8.0	7.0	9.0	9.5	10.0	9.4	11.5	11.0	13.0	12.0
No #	<i>S. leobense</i>	Chios	Greece	7.0	6.4	7.8	7.7	8.7	8.7	9.2	9.6	11.0	11.1	13.5	11.2
THB 26	<i>S. leobense</i>	Chios	Greece			8.0	7.7	9.5	9.0			12.4	12.2		
BAR 1044'99	<i>D. nadirus</i>	Kipsaraman	Kenya			8.3	8.0								
BAR 180'02	<i>D. nadirus</i>	Kipsaraman	Kenya			8.4	8.0								
BAR 2660'03	<i>D. nadirus</i>	Kipsaraman	Kenya			9.0	7.6								
BAR 2677'03	<i>D. nadirus</i>	Kipsaraman	Kenya			6	7.8								
BAR 2679'03	<i>D. nadirus</i>	Kipsaraman	Kenya			-	-								
BAR 979'02	<i>D. nadirus</i>	Kipsaraman	Kenya			9.0	8.2								
LT 157'04	<i>D. africanus</i>	Langental	Namibia			7.7	7.0	8.2	8.5	8.7	9.0				
Holotype	<i>D. africanus</i>	Langental	Namibia			8.0	6.0			9.5	8.5	11.6	10.0		
2.16	<i>D. africanus</i>	Gebel Zelten	Libya					8.5	8.2	9.0	9.6	11.4	9.8		
UM 68'01	<i>D. africanus</i>	Bukwa	Uganda					7.5	8.3						
LT 45'03	<i>D. africanus</i>	Langental	Namibia					6.0	6.3						
LT 21'04	<i>D. africanus</i>	Langental	Namibia					8.2	8.4			11.0	-		
BAR 2090'01	<i>D. nadirus</i>	Kipsaraman	Kenya					10.0	10.7						
BAR 25'98	<i>D. nadirus</i>	Kipsaraman	Kenya					8.5	9.1						
BAR 2659'03	<i>D. nadirus</i>	Kipsaraman	Kenya					10.2	10.5						
BAR 2665'03	<i>D. nadirus</i>	Kipsaraman	Kenya					8.2	9.5						
BAR 267-02	<i>D. nadirus</i>	Kipsaraman	Kenya					9.1	9.9						
BAR 2695'03	<i>D. nadirus</i>	Kipsaraman	Kenya					-	-						
BAR 617'01	<i>D. nadirus</i>	Kipsaraman	Kenya					6	9.1						
BAR 973'02 L	<i>D. nadirus</i>	Kipsaraman	Kenya					9.5	9.7						
BAR 973'02 R	<i>D. nadirus</i>	Kipsaraman	Kenya					9.5	9.7						
THB 11	<i>S. leobense</i>	Chios	Greece					8.6	8.5	9.3	9.5	11.5	11.6		
BU 6407-2	<i>D. africanus</i>	Gebel Zelten	Libya							9.3	9.4	11.4	10.0		
WK 16989 L	<i>D. africanus</i>	Kalodirr	Kenya							10.8	9.8				
WK 16989 R	<i>D. africanus</i>	Kalodirr	Kenya							10.6	10.1				
LC 17724	<i>D. africanus</i>	Locherangan	Kenya							11.2	10.0				
LC 17591	<i>D. africanus</i>	Locherangan	Kenya							11.8	9.9				
NAP 18 5'85	<i>D. africanus</i>	Napak	Uganda							10.0	9.6				
BAR 207'02	<i>D. nadirus</i>	Kipsaraman	Kenya							10.8	10.6				
BAR 2184'01	<i>D. nadirus</i>	Kipsaraman	Kenya							-	9.8				
BAR 2668'03	<i>D. nadirus</i>	Kipsaraman	Kenya							-	9.8				
BAR 53'02	<i>D. nadirus</i>	Kipsaraman	Kenya							-	10.4				
BAR 969'02	<i>D. nadirus</i>	Kipsaraman	Kenya							11.6	10.7				
BAR 972'02	<i>D. nadirus</i>	Kipsaraman	Kenya							10.3	9.5				
THB 29	<i>S. leobense</i>	Chios	Greece							10.2	9.2	12.2	11.4		
KA 46	<i>D. africanus</i>	Karungu	Kenya									11.2	10.6		
OM 12460	<i>D. africanus</i>	Ombo	Kenya									10.3	10.5		
X 209	<i>D. africanus</i>	Kenya	Kenya									11.0	10.3	12.5	10.0
LT 110'03	<i>D. africanus</i>	Langental	Namibia									12.0	-		
BAR 193'02	<i>D. nadirus</i>	Kipsaraman	Kenya									12.7	11.3		
BAR 2666'03	<i>D. nadirus</i>	Kipsaraman	Kenya									-	10.0		
BAR 2667'03	<i>D. nadirus</i>	Kipsaraman	Kenya									-	10.0		
BAR 615'01	<i>D. nadirus</i>	Kipsaraman	Kenya									11.8	11.8		
BAR 966'02 R	<i>D. nadirus</i>	Kipsaraman	Kenya									12.5	11.4		
THB 5	<i>S. leobense</i>	Chios	Greece									12.0	11.6		

MB 12570	<i>D. nadirus</i>	Maboko	Kenya	13.0	11.4
MB 12574	<i>D. nadirus</i>	Maboko	Kenya	13.3	10.6
RU 2803	<i>D. africanus</i>	Rusinga	Kenya	14.0	11.0
BAR 1137'99	<i>D. nadirus</i>	Kipsaraman	Kenya	13.0	10.4
BAR 182'02	<i>D. nadirus</i>	Kipsaraman	Kenya	-	9.0
BAR 265'02	<i>D. nadirus</i>	Kipsaraman	Kenya	15.0	12.7
BAR 29'98	<i>D. nadirus</i>	Kipsaraman	Kenya	14.1	11.3
BAR 614'01	<i>D. nadirus</i>	Kipsaraman	Kenya	-	12.3
BAR 967'02	<i>D. nadirus</i>	Kipsaraman	Kenya	13.5	11.4
BAR 987'02	<i>D. nadirus</i>	Kipsaraman	Kenya	13.6	11.5
LT 212'03	<i>D. africanus</i>	Langental	Namibia	13.0	-
LT 21'04	<i>D. africanus</i>	Langental	Namibia	13.9	11.2
HGSP8209.1124	<i>S. schlagint.</i>	Manchar	Pakistan	13.1	11.6

Measurements from

- Bonis, L. de, Koufos, G., and Sen, S. 1997. The sanitheres (Mammalia, Suidae) from the Middle Miocene of Chios Island, Aegean Sea, Greece. *Revue de Paléobiologie*, 16: 259-270.
- Paraskevaidis, L. 1940. Eine obermiozän Fauna von Chios. *Neues Jahrbuch für Mineralogie, Geologie und Paläontologie*, Volume 83, pp. 369-442.
- Pickford M. 1984. A revision of the Sanitheriidae (Suiformes. Mammalia) *Geobios*, 17: 133-154.
- Pickford M., 2007. Suidae and Hippopotamidae from the Middle Miocene of Kipsaraman, Kenya, and other sites in East Africa. *Paleontological Research*, 11: 85-105.
- Stromer, E., 1926. Reste Land- und Süßwasser Bewohnender Wirbeltierreste aus dem Diamantefeldern Deutsch-SüdwestAfrikas: in E. Kaiser (ed.) *Die Diamantenwüste SüdwestAfrikas*. Volume 2: 107-153. Reimer. Berlin.

Table S2. Measurements (mm) of the lower cheek dentition of Sanitheriidae arranged primarily by dental element to facilitate comparison. Data from Bonis et al., 1997; Pickford, 1984, 2007; Stromer, 1926. (*D. Diamantohyus* ; *S. Sanitherium*)

Specimen No.				p4	p4	m1	m1	m2	m2	m3	m3
MD	Taxon	Locality	Country	MD	BL	MD	BL	MD	BL	MD	BL
RU 147'51	<i>D. africanus</i>	Rusinga	Kenya	9.0	4.7						
RU 2807	<i>D. africanus</i>	Rusinga	Kenya	8.2	5.0	9.0	6.0				
RU 45	<i>D. africanus</i>	Rusinga	Kenya	10.5	5.8						
F 3198	<i>D. africanus</i>	Rusinga	Kenya	10.0	5.0						
BUK II	<i>D. africanus</i>	Bukwa	Uganda	10.3	5.4						
CGM 82975	<i>D. africanus</i>	Moghra	Egypt	9.3	5.6	9.7	7.2				
WM-006-49	<i>D. africanus</i>	Moghra	Egypt	10.6	5.8			11.5	7.5	17.9	8.3
DPC 8997	<i>D. africanus</i>	Moghra	Egypt					9.2	6.1	11.0	7.4
DPC 6618	<i>D. africanus</i>	Moghra	Egypt					12.0	8.6	16.0	7.6
KA 12577	<i>D. africanus</i>	Karungu	Kenya	9.7	6.3	9.4	6.5			18.3	9.3
KA 45	<i>D. africanus</i>	Karungu	Kenya	9.2	5.7	9.4	6.0	11.5	7.2		
KA 49	<i>D. africanus</i>	Karungu	Kenya	10.0	5.7						
BU 6416-61	<i>D. africanus</i>	Zelten	Libya	9.1	5.7	9.4	6.0			18.0	7.6
2Z	<i>D. africanus</i>	Zelten	Libya	9.7	5.7	10.1	5.9	11.0	7.1	18.4	8.0
LT 168'96	<i>D. africanus</i>	Langental	Namibia	9.3	6.6	9.2	6.2	11.0	8.2	18.4	8.5
BAR 1138'99	<i>D. nadirus</i>	Kipsaraman	Kenya	-	6.2						
BAR 1462'01	<i>D. nadirus</i>	Kipsaraman	Kenya	9.9	6.0						
BAR 177'03	<i>D. nadirus</i>	Kipsaraman	Kenya	10.5	5.9						
BAR 2092'01	<i>D. nadirus</i>	Kipsaraman	Kenya	-	6.1						
BAR 264'02	<i>D. nadirus</i>	Kipsaraman	Kenya	10.1	6.4						
BAR 2642'03	<i>D. nadirus</i>	Kipsaraman	Kenya	10.3	6.2						
BAR 2653'03	<i>D. nadirus</i>	Kipsaraman	Kenya	9.8	6.9						
BAR 2654'03	<i>D. nadirus</i>	Kipsaraman	Kenya	-	6.0						
BAR 816'01c	<i>D. nadirus</i>	Kipsaraman	Kenya	10.3	6.9						
THB 10 L	<i>S. leobense</i>	Chios	Greece	10.7	5.4	10.0	6.2	11.0	7.2		
THB 10 R	<i>S. leobense</i>	Chios	Greece	11.0	5.5			12.0	7.8	16.8	7.9
THB 17 L	<i>S. leobense</i>	Chios	Greece	10.7	6.0	9.2	6.5	11.8	7.8	18.0	8.4
THB 17 R	<i>S. leobense</i>	Chios	Greece	10.7	6.2			11.5	7.7	18.4	8.2
THB 9 L	<i>S. leobense</i>	Chios	Greece			10.6	6.4	12.8	7.3		
THB 9 R	<i>S. leobense</i>	Chios	Greece					12.5	7.5		
No #	<i>S. leobense</i>	Chios	Greece	11.0	5.8	10.0	6.4	12.0	7.7	17.5	8.2
No #	<i>S. leobense</i>	Leoben	Austria	11.5	6.5	10.0	6.5	12.0	8.0		
MB12576	<i>S. nadirus</i>	Maboko	Kenya	10.0	5.8						
WM-06-14	<i>D. africanus</i>	Moghra	Egypt			9.3	6.1				
WM-06-11	<i>D. africanus</i>	Moghra	Egypt			10.6	7.0				
RU 12462	<i>D. africanus</i>	Rusinga	Kenya			10.4	6.7	12.0	8.0		
RU 2796	<i>D. africanus</i>	Rusinga	Kenya			10.6	6.5	11.9	8.0	17.0	8.7
RU 2801	<i>D. africanus</i>	Rusinga	Kenya			10.0	6.0				
RU 2802	<i>D. africanus</i>	Rusinga	Kenya			10.4	6.7				
M 20205	<i>D. nadirus</i>	Ombo	Kenya			10.5	7.0	12.7	8.5		
BAR 1410'02	<i>D. nadirus</i>	Kipsaraman	Kenya			10.9	6.1				
BAR 2643'03	<i>D. nadirus</i>	Kipsaraman	Kenya			-	6.2				
BAR 2645'03	<i>D. nadirus</i>	Kipsaraman	Kenya			-	6.4				
BAR 2646'03	<i>D. nadirus</i>	Kipsaraman	Kenya			10.7	6.4				
BAR 2647'03	<i>D. nadirus</i>	Kipsaraman	Kenya			-	6.4				
BAR 2648'03	<i>D. nadirus</i>	Kipsaraman	Kenya			-	5.1				
BAR 2649'03	<i>D. nadirus</i>	Kipsaraman	Kenya			-	5.8				
BAR 2655'03	<i>D. nadirus</i>	Kipsaraman	Kenya			-	6.2				
BAR 2656'03	<i>D. nadirus</i>	Kipsaraman	Kenya			-	5.7				
BAR 268'02	<i>D. nadirus</i>	Kipsaraman	Kenya			11.1	6.2				
BAR 2691'03	<i>D. nadirus</i>	Kipsaraman	Kenya			-	5.5				

BAR 2693'03	<i>D. nadirus</i>	Kipsaraman	Kenya	-	5.3				
BAR 2694'03	<i>D. nadirus</i>	Kipsaraman	Kenya	-	5.1				
BAR 293'02	<i>D. nadirus</i>	Kipsaraman	Kenya	-	6.2				
BAR 311'02	<i>D. nadirus</i>	Kipsaraman	Kenya	-	5.8				
BAR 816'01d	<i>D. nadirus</i>	Kipsaraman	Kenya	10.0	6.3				
LT 162'96	<i>D. africanus</i>	Langental	Namibia	11.0	9.6	12.5	8.4		
LT 160'96	<i>D. africanus</i>	Langental	Namibia	10.4	6.0				
LT 5'00	<i>D. africanus</i>	Langental	Namibia	10.1	6.0				
NAP I 1'97	<i>D. africanus</i>	Napak	Uganda	9.2	5.9				
No #	<i>S. schlagint.</i>	Pakistan	Pakistan	11.0	6.8	12.5	7.5	18.0	8.1
No #	<i>S. schlagint.</i>	Pakistan	Pakistan	9.0	6.5				
KA 12453	<i>D. africanus</i>	Karungu	Kenya			11.5	8.2		
RU 2800	<i>D. africanus</i>	Rusinga	Kenya			11.6	8.6		
97-697	<i>D. africanus</i>	Moghra	Egypt			10.6	7.6	18.0	8.6
OM 40	<i>D. nadirus</i>	Ombo	Kenya			13.5	8.0		
BAR 1187'99	<i>D. nadirus</i>	Kipsaraman	Kenya			-	7.6		
BAR 181-02	<i>D. nadirus</i>	Kipsaraman	Kenya			12.8	7.6		
BAR 2641'03	<i>D. nadirus</i>	Kipsaraman	Kenya			11.7	7.4		
BAR 2652'03	<i>D. nadirus</i>	Kipsaraman	Kenya			12.2	7.6		
BAR 613'01	<i>D. nadirus</i>	Kipsaraman	Kenya			12.0	7.9		
BAR 752'02	<i>D. nadirus</i>	Kipsaraman	Kenya			12.7	8.2		
BAR 87'99	<i>D. nadirus</i>	Kipsaraman	Kenya			-	8.2		
BAR 988'2	<i>D. nadirus</i>	Kipsaraman	Kenya			13.0	8.0		
WK 16988 L	<i>D. africanus</i>	Kalodirr	Kenya					16.7	7.4
WK 16988 R	<i>D. africanus</i>	Kalodirr	Kenya					18.8	7.5
WK 17129	<i>D. africanus</i>	Kalodirr	Kenya					18.1	8.2
LC 17710	<i>D. africanus</i>	Locherangan	Kenya					17.4	7.7
CU 7	<i>D. africanus</i>	Chianda Uyoma	Kenya					17.1	8.0
WM Dec 06-25	<i>D. africanus</i>	Moghra	Egypt					16.5	8.2
WM Dec 06-48	<i>D. africanus</i>	Moghra	Egypt					16.7	8.2
WM 06-55	<i>D. africanus</i>	Moghra	Egypt					17.5	8.4
RU 2797	<i>D. africanus</i>	Rusinga	Kenya					18.6	8.8
RU 2799	<i>D. africanus</i>	Rusinga	Kenya					16.6	8.3
KA 47	<i>D. africanus</i>	Karungu	Kenya					20.9	8.8
KA 48	<i>D. africanus</i>	Karungu	Kenya					17.5	8.3
X 124	<i>D. africanus</i>	Ombo	Kenya					20.6	8.9
LT 417'96	<i>D. africanus</i>	Langental	Namibia					18.7	9.2
THB 20	<i>S. leobense</i>	Chios	Greece					18.6	8.2
M 32695	<i>D. nadirus</i>	Majiwa	Kenya					17.0	8.4
OM 97	<i>D. nadirus</i>	Ombo	Kenya					20.6	9.1
BAR 179'02	<i>D. nadirus</i>	Kipsaraman	Kenya					-	8.3
BAR 2'02	<i>D. nadirus</i>	Kipsaraman	Kenya					19.2	8.6
BAR 2181'01	<i>D. nadirus</i>	Kipsaraman	Kenya					19.2	7.2
BAR 2182'01	<i>D. nadirus</i>	Kipsaraman	Kenya					-	8.2
BAR 2650-03	<i>D. nadirus</i>	Kipsaraman	Kenya					-	7.4
BAR 816'01	<i>D. nadirus</i>	Kipsaraman	Kenya					12.0	7.9
BAR 971'02	<i>D. nadirus</i>	Kipsaraman	Kenya					-	8.7

References

- Bonis, L. de, Koufos, G. and Sen, S. 1997. The sanitheres (Mammalia, Suoidea) from the Middle Miocene of Chios Island, Aegean Sea, Greece. *Revue de Paléobiologie*, 16: 259-270.
- Pickford, M. 1984. A revision of the Sanitheriidae (Suiformes. Mammalia) Geobios, 17: 133-154.
- Pickford, M. 2007. Suidae and Hippopotamidae from the Middle Miocene of Kipsaraman, Kenya, and other sites in East Africa. *Palaeontological Research*, 11: 85-105.
- Stromer, E. 1926. Reste Land- und Süßwasser Bewohnender Wirbeltierreste aus dem Diamantefeldern Deutsch-SdwestAfrikas: in E. Kaiser (ed.) *Die Diamantewüste SüdwestAfrikas. Volume 2: 107-153. Reimer. Berlin.*

Table S3. Dimensions (mm) of m3 of Kubanochoerinae (e = estimated). Data from Orliac 2007; Pickford 1986, 1987, 1995, 2003, 2007; Pickford and Senut 1997; Van der Made 1996.

Specimen No.	Taxon	Locality	Country	MD	BL
LC 17708	<i>Kenyasus rusingensis</i>	Locherangan	Kenya	24.5	13.3
KNM NC	<i>K. rusingensis</i>	Nachola	Kenya	26.0	15.5
RU 2805	<i>K. rusingensis</i>	Rusinga	Kenya	22.5	13.0
RU 2701	<i>K. rusingensis</i>	Rusinga	Kenya	23.5	14.5
RU 2738	<i>K. rusingensis</i>	Rusinga	Kenya	24.0	12.5
RU 2737	<i>K. rusingensis</i>	Rusinga	Kenya	24.0	13.5
RU 2736	<i>K. rusingensis</i>	Rusinga	Kenya	24.5	10.5
RU 2702	<i>K. rusingensis</i>	Rusinga	Kenya	25.5	14.5
RU 2735	<i>K. rusingensis</i>	Rusinga	Kenya	26.0	13.5
RU 2734	<i>K. rusingensis</i>	Rusinga	Kenya	26.5	13.5
RK	<i>K. rusingensis</i>	Ryskop	South Africa	25.4	14.1
Tbilisi	<i>Kubanochoerus gigas</i>	Belometchetskaya	North Caucasus	57.2	31.9
l-63	<i>K. gigas</i>	China	China	49.0	29.5
bpv-908	<i>K. gigas</i>	China	China	58.5	33.5
bpv--906	<i>K. gigas</i>	China	China	58.8	33.3
v-8502	<i>K. gigas</i>	China	China	59.0	32.4
unnumbered	<i>K. gigas</i>	China	China	59.5	31.3
bpv-903	<i>K. gigas</i>	China	China	61.4	32.9
bpv-903	<i>K. gigas</i>	China	China	63.7	33.2
bpv-905	<i>K. gigas</i>	China	China	64.1	32.2
l-63	<i>K. gigas</i>	Minhe	China	49.5	28.5
q-81	<i>K. minheensis</i>	China	China	49.0	29.0
GSI	<i>L. fategadensis</i>	Fategad	India	33.6	20.0
KNM MO 18127	<i>L. jeanneli</i>	Moruorot	Kenya	30.0	20.0
RU 2785	<i>L. jeanneli</i>	Rusinga	Kenya	31.8	19.2
RU 15164	<i>L. jeanneli</i>	Rusinga	Kenya	32.2	18.8
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	41.0	25.0
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	44.5	26.3
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	44.7	25.5
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	45.0	27.0
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	45.2	25.0
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	45.2	25.5
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	45.8	25.6
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	46.0	25.2
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	46.2	25.5
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	46.3	27.6
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	48.0	26.2
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	48.0	27.0
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	48.0	26.5
MNHN Z-1961	<i>L. massai</i>	Zelten	Libya	48.5	25.5
No N°	<i>M. homungous</i>	Bugti	Pakistan	81.0	41.0
BAR	<i>M. homungous</i>	Pakistan	Pakistan	89.5	44.6
BAR	<i>M. homungous</i>	Pakistan	Pakistan	98.0	49.5
Bar 685'99	<i>M. khinzikebirus</i>	Cheparawa	Kenya	66.5	39.6
MNHN Z-1961	<i>M. khinzikebirus</i>	Libya	Libya	58.0	35.6
MNHN Z-1961	<i>M. khinzikebirus</i>	Libya	Libya	65.0	37.7
MNHN Z-1961	<i>M. khinzikebirus</i>	Libya	Libya	67.3	39.0
ATH 6C.1	<i>M. khinzikebirus</i>	Zelten	Libya	63.2	36.7
KNM MB	<i>M. khinzikebirus</i>	Maboko	Kenya	59.0	34.0
WS 12595	<i>M. marymuunguae</i>	Buluk	Kenya	45.9	30.9
WS 12595	<i>M. marymuunguae</i>	Buluk	Kenya	46.1	30.8
97-715	<i>Nguruwe kijivium</i>	Moghra	Egypt	18.9	10.3

WMDEC 06-10	<i>N. kijivium</i>	Moghra	Egypt	19.6	11.5
DPC 4385	<i>N. kijivium</i>	Moghra	Egypt	18.8	11.3
MW 172	<i>N. kijivium</i>	Mfwangano	Kenya	18.0	10.0
RU 2774	<i>N. kijivium</i>	Rusinga	Kenya	17.0	12.0
RU 2773	<i>N. kijivium</i>	Rusinga	Kenya	18.3	12.0
RU 2770	<i>N. kijivium</i>	Rusinga	Kenya	18.5	12.0
M 32660	<i>N. kijivium</i>	Rusinga	Kenya	18.8	10.5
SO 1121	<i>N. kijivium</i>	Songhor	Kenya	20.6	12.0
PQN 127	<i>N. kijivium</i>	Langental	Namibia	15.7	8.9
PQN 127	<i>N. kijivium</i>	Langental	Namibia	16.1	8.9
Nap 6'99	<i>N. kijivium</i>	Napak I	Uganda	17.3	10.1
EF 3'96	<i>N. namibensis</i>	Elisabethfeld	Namibia	14.2	8.5
GT 51'06	<i>N. namibensis</i>	Grillental	Namibia	15.3	8.3
GT 25'07	<i>N. namibensis</i>	Grillental	Namibia	18.4	10.1
GT 100'04	<i>N. namibensis</i>	Grillental 1	Namibia	17.9	9.2
LT 53'07	<i>N. namibensis</i>	Langental	Namibia	13.6	8.0
LT 54'05	<i>N. namibensis</i>	Langental	Namibia	14.0	7.8
LT 210'04	<i>N. namibensis</i>	Langental	Namibia	16.6	9.3
Stromer	<i>N. namibensis</i>	Langental	Namibia	16.8	8.1
LT 222'03	<i>N. namibensis</i>	Langental	Namibia	16.9	9.5
PQN 122	<i>N. namibensis</i>	Langental	Namibia	17.0	9.2
PQN 128	<i>N. namibensis</i>	Langental	Namibia	17.0	8.5

References

- Orliac, M. 2007. Le rôle des Listriodontinae dans la différenciation des Suidae (Mammalia): Paléoanatomie. Systématique. Phylogénie. Thèse de Doctorat de l'Université Pierre et Marie Curie. Paris. 980 pp
- Pickford, M. 1986. A revision of the Miocene Suidae and Tayassuidae of Africa. Tertiary Research Special Papers, 7: 1-83.
- Pickford, M. 1987. Miocene Suidae from Arrisdrift, South West Africa - Namibia. Annals of the South African Museum, 97: 283-295.
- Pickford, M. 1995. Suidae (Mammalia. Artiodactyla) from the early Middle Miocene of Arrisdrift. Namibia: *Namachoerus* (gen. nov.) *moruoroti*. and *Nguruwe kijivium*. Comptes Rendus de l'Académie des Sciences de Paris, 320 IIa: 319-326.
- Pickford, M. 2003. Suidae from Arrisdrift. Memoirs of the Geological Survey of Namibia, 19: 291-293.
- Pickford, M. 2007. Suidae and Hippopotamidae from the Middle Miocene of Kipsaraman, Kenya, and other sites in East Africa. Palaeontological Research, 11: 85-105.
- Pickford, M. and Senut, B. 1997. Cainozoic mammals from coastal Namaqualand, South Africa. Palaeontologica africana, 34: 199-217.
- Van der Made, J. 1996. Listriodontinae (Suidae, Mammalia), their evolution, systematics, and distribution in time and space. Contributions to Tertiary and Quaternary Geology, 33: 3-254.

Table S4. Dimensions (in mm) of M3 in Kubanochoerinae. Data from Orliac, 2007; Pickford, 1986, 1987, 1995, 2003, 2007; Pickford and Senut, 1997; Van der Made, 1996.

Specimen	Taxon	Locality	Country	MD	BL
Bar 1'02	<i>Kenyasus namaquensis</i>	Kipsaraman	Kenya	20.8	18.0
RK	<i>Kenyasus namaquensis</i>	Ryskop	South Africa	23.2	17.7
BUK 20'97	<i>Kenyasus namaquensis</i>	Bukwa	Uganda	20.0	15.9
KA 42	<i>Kenyasus rusingensis</i>	Karungu	Kenya	19.5	18.0
KA 43	<i>Kenyasus rusingensis</i>	Karungu	Kenya	18.0	15.0
RU 2701	<i>Kenyasus rusingensis</i>	Rusinga	Kenya	18.0	14.0
RU 2708	<i>Kenyasus rusingensis</i>	Rusinga	Kenya	17.5	17.0
RU 2709	<i>Kenyasus rusingensis</i>	Rusinga	Kenya	19.0	16.0
RU 2710	<i>Kenyasus rusingensis</i>	Rusinga	Kenya	21.0	15.0
RU 2711	<i>Kenyasus rusingensis</i>	Rusinga	Kenya	20.0	14.0
RU 2713	<i>Kenyasus rusingensis</i>	Rusinga	Kenya	18.0	15.0
RU 2714	<i>Kenyasus rusingensis</i>	Rusinga	Kenya	17.5	15.0
RU 2715	<i>Kenyasus rusingensis</i>	Rusinga	Kenya	20.0	14.0
RK	<i>Kenyasus rusingensis</i>	Ryskop	South Africa	18.0	13.7
LL-63	<i>Kubanochoerus gigas gigas</i>	china	China	45.0	36.0
no-no	<i>Kubanochoerus gigas gigas</i>	Belometchetskaya	N. Caucasus	48.7	39.6
bpv-901	<i>Kubanochoerus gigas lii</i>	china	China	46.2	37.3
bpv-901	<i>Kubanochoerus gigas lii</i>	china	China	47.4	37.6
bpv-902	<i>Kubanochoerus gigas lii</i>	china	China	42.2	37.4
bpv-902	<i>Kubanochoerus gigas lii</i>	china	China	44.0	37.7
bpv-909	<i>Kubanochoerus gigas lii</i>	china	China	53.0	39.7
bpv-909	<i>Kubanochoerus gigas lii</i>	china	China	54.1	41.6
no-no	<i>Kubanochoerus gigas lii</i>	china	China	57.8	41.6
no-no	<i>Kubanochoerus gigas lii</i>	china	China	58.2	43.1
no-no	<i>Kubanochoerus gigas lii</i>	china	China	44.0	40.1
V8051	<i>Kubanochoerus gigas lii</i>	china	China	48.5	37.0
RU 2781	<i>Libycochoerus anchidens</i>	Rusinga	Kenya	27.8	25.4
RU 2780	<i>Libycochoerus anchidens</i>	Rusinga	Kenya	28.4	24.9
1933.9	<i>Libycochoerus jeanneli</i>	Moruorot	Kenya	29.2	24.5
1933.9	<i>Libycochoerus jeanneli</i>	Moruorot	Kenya	29.4	24.7
WMDEC-06-09	<i>Libycochoerus massai</i>	Wadi Moghara	Egypt	33.4	26.0
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	33.0	27.0
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	33.6	27.0
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	35.0	28.0
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	36.0	28.0
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	36.6	31.7
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	36.7	30.0
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	38.0	31.2
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	38.0	30.7
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	39.7	34.0
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	40.3	35.0
MNHN Z-1961	<i>Libycochoerus massai</i>	Gebel Zelten	Libya	40.8	33.0
Bar 736'02	<i>Megalochoerus khinzikebirus</i>	Kipsaraman	Kenya	57.6	54.2
MNHN Z-1961	<i>Megalochoerus khinzikebirus</i>	Gebel Zelten	Libya	59.0	48.6
WS 12656	<i>Megalochoerus marymuunguae</i>	Buluk	Kenya	36.2	30.0
WS 12590	<i>Megalochoerus marymuunguae</i>	Buluk	Kenya	42.6	32.9
M 14331	<i>Nguruwe kijivium</i>	Legetet	Kenya	15.6	13.5
RU 2771	<i>Nguruwe kijivium</i>	Rusinga	Kenya	16.0	13.0
SO 1055	<i>Nguruwe kijivium</i>	Songhor	Kenya	17.0	13.7
SO 1056	<i>Nguruwe kijivium</i>	Songhor	Kenya	13.6	11.6
AD 1795	<i>Nguruwe kijivium</i>	Arrisdrift	Namibia	16.0	13.1
AD 90'99	<i>Nguruwe kijivium</i>	Arrisdrift	Namibia	15.3	14.7

RK	<i>Nguruwe kijivium</i>	Ryskop	South Africa	15.1	13.7
NAP I'64	<i>Nguruwe kijivium</i>	Napak I	Uganda	15.0	12.0
Nap 5'99	<i>Nguruwe kijivium</i>	Napak I	Uganda	17.0	12.6
LT	<i>Nguruwe namibensis</i>	Langental	Namibia	13.5	10.2
LT	<i>Nguruwe namibensis</i>	Langental	Namibia	14.7	11.0
LT 18'04	<i>Nguruwe namibensis</i>	Langental	Namibia	-	11.0
LT 137'04	<i>Nguruwe namibensis</i>	Langental	Namibia	12.5	10.5
FS 20'04	<i>Nguruwe namibensis</i>	Fiskus	Namibia	13.7	-
LT 87'07	<i>Nguruwe namibensis</i>	Langental	Namibia	12.0	9.2
LT 83'07	<i>Nguruwe namibensis</i>	Langental	Namibia	13.6	-
LT 118'07	<i>Nguruwe namibensis</i>	Langental	Namibia	12.9	9.5
LT 117'07	<i>Nguruwe namibensis</i>	Langental	Namibia	12.3	9.8
FS 10'07	<i>Nguruwe namibensis</i>	Fiskus	Namibia	14.2	11.5

References

- Orliac, M. 2007. Le rôle des Listriodontinae dans la différenciation des Suidae (Mammalia): Paléoanatomie. Systématique. Phylogénie. Thèse de Doctorat de l'Université Pierre et Marie Curie. Paris. 980 pp
- Pickford, M. 1986. A revision of the Miocene Suidae and Tayassuidae of Africa. Tertiary Research Special Papers, 7: 1-83.
- Pickford, M. 1987. Miocene Suidae from Arrisdrift, South West Africa - Namibia. Annals of the South African Museum, 97: 283-295.
- Pickford, M. 1995. Suidae (Mammalia. Artiodactyla) from the early Middle Miocene of Arrisdrift. Namibia: *Namachoerus* (gen. nov.) *moruoroti*. and *Nguruwe kijivium*. Comptes Rendus de l'Académie des Sciences de Paris, 320 IIa: 319-326.
- Pickford, M. 2003. Suidae from Arrisdrift. Memoirs of the Geological Survey of Namibia, 19: 291-293.
- Pickford, M. 2007. Suidae and Hippopotamidae from the Middle Miocene of Kipsaraman, Kenya, and other sites in East Africa. Palaeontological Research, 11: 85-105.
- Pickford, M. and Senut, B. 1997. Cainozoic mammals from coastal Namaqualand, South Africa. Palaeontologica africana, 34: 199-217.
- Van der Made, J. 1996. Listriodontinae (Suidae, Mammalia), their evolution, systematics, and distribution in time and space. Contributions to Tertiary and Quaternary Geology, 33: 3-254.

Table S5. Measurements (in mm) of the talus of *Libycochoerus massai* from Wadi Moghra, Egypt, and Gebel Zelten, Libya. Data for Libyan fossil from Orliac, 2007.

Specimen N°	Side	External length	Internal length	Proximal breadth	Distal breadth
CGM 30791	Right	57.4	51.0	29.0	33.7
MNHN LBE 505	Right	54.9	50.7	27.4	30.5

Reference

Orliac, M. 2007. Le rôle des Listriodontinae dans la différenciation des Suidae (Mammalia): Paléoanatomie. Systématique. Phylogénie. Thèse de Doctorat de l'Université Pierre et Marie Curie. Paris. 980 pp