Linking Sequences with Specimens
Distichochlamys sp. AS18 chloroplast matK gene for maturase K, complete cds

GenBank: AB553309.1

Fasta Graphics

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  Zingiberaceae; Distichochlamys.
REFERENCE 1
  AUTHORS Takano,A. and Nagamasu,H.
  TITLE Monophyly of Myxochlamys (Zingiberaceae) is confirmed: Molecular phylogenetic analysis
  JOURNAL Unpublished
REFERENCE 2 (bases 1 to 1542)
  AUTHORS Takano,A. and Nagamasu,H.
  TITLE Direct Submission
  JOURNAL Submitted (01-APR-2010) Contact:Atsuko Takano Museum of Nature and Human Activities, Hyogo; 6 chome, Yayoigaoka, Sanda, Hyogo 669-1546, Japan
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Lukuru Wildlife Research Foundation, Kinshasa, Gombe, Democratic Republic of Congo; Division of Vertebrate Zoology, Yale Peabody Museum of Natural History, New Haven, Connecticut, United States of America.

Abstract

In June 2007, a previously undescribed monkey known locally as "lesula" was found in the forests of the middle Lomami Basin in central Democratic Republic of Congo (DRC). We describe this new species as Cercopithecus lomamiensis sp. nov., and provide data on its distribution, morphology, genetics, ecology and behavior. C. lomamiensis is restricted to the lowland rain forests of central DRC between the middle Lomami and the upper Tshuapa Rivers. Morphological and molecular data confirm that C. lomamiensis is distinct from its nearest congener, C. hamlynii, from which it is separated geographically by both the Congo (Lualaba) and the Lomami Rivers. C. lomamiensis, like C. hamlynii, is semi-terrestrial with a diet containing terrestrial herbaceous vegetation. The discovery of C. lomamiensis highlights the biogeographic significance and importance for conservation of central Congo's interfuvial TL2 region, defined from the upper Tshuapa River through the Lomami Basin to the Congo (Lualaba) River. The TL2 region has been found to contain a high diversity of anthropoid primates including three forms, in addition to C. lomamiensis, that are endemic to the area. We recommend the common name, lesula, for this new species, as it is the vernacular name used over most of its known range.
Cercopithecus lomamiensis

**Taxonomy ID:** 1191211
**Genbank common name:** lesula
**Inherited blast name:** primates
**Rank:** species
**Genetic code:** [Translation table 1 (Standard)]
**Mitochondrial genetic code:** [Translation table 2 (Vertebrate Mitochondrial)]

**Other names:**
- **synonym:** Cercopithecus sp. ASB-2012
- **authority:** Cercopithecus lomamiensis Hart et al. 2012

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- Eumetazoa
- Bilateria
- Deuterostomia
- Chordata
- Vertebrata
- Gnathostomata
- Teleostomi
- Euteleostomi
- Sarcopterygii
- Tetrapoda
- Amniota
- Mammalia
- Theria
- Eutheria
- Eutherian mammals
- Primates
- Haplorrhini
- Catarrhini
- Cercopithecidae
- Cercopithecinae
- Cercopithecus

**Comments and References:**

![Book](Hart et al. (2012)]

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   - [GenBank](#)  [FASTA](#)  [Graphics](#)  [Related Sequences](#)  [Full text in PMC](#)  [PubMed](#)  [Taxonomy](#)

2. **Cercopithecus lomamiensis isolate GP609 X chromosome intergenic region genomic sequence**
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3. **Cercopithecus lomamiensis isolate ME408 testis-specific protein (TSPY) gene, partial cds**
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Cercopithecus lomamiensis isolate ME408 X chromosome intergenic region genomic sequence

GenBank: JN106060.1

**FASTA**  **Graphics**

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**VERSION** JN106060.1  GI:387865320  

**KEYWORDS**  

**SOURCE** Cercopithecus lomamiensis (lesula)

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**REFERENCE** 1  (bases 1 to 4688)


**TITLE** Lesula: A New Species of Cercopithecus Monkey Endemic to the Democratic Republic of Congo and Implications for Conservation of Congo's Central Basin

**JOURNAL** PLoS ONE 7 (9), E44271 (2012)

**PUBMED** 22984482

**REMARK** Publication Status: Online-Only

**REFERENCE** 2  (bases 1 to 4688)


**TITLE** Direct Submission

**JOURNAL** Submitted (10-JUN-2011) Department of Anthropology, New York University, 25 Waverly Place, New York, NY 10003, USA

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GenBank: JX444756.1

FASTA  Graphics

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AUTHORS  Victor,B.C.
TITLE  Hypoplectrus floridiae n. sp. and Hypoplectrus ecosur n. sp., two new Barred Hamlets from the Gulf of Mexico (Pisces: Serranidae):
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Figs. 1–5

**Holotype.** SIO 12-58 (1) 40.3 mm SL, SW Florida, off Everglades, Ten Thousand Islands (25.6°, -81.25°), July 14, 2011, SEAMAP surveys.

**Paratypes.** SIO 12-58 (3) 33.4–39.4 mm SL, same as holotype; SIO 12-59 (1) 33.7 mm SL, SW Florida, off Everglades, Ten Thousand Islands (25.7°, -81.34°), July 13, 2011, SEAMAP surveys.

**Diagnosis.** A hamlet with the usual color and patterns of the brown Barred Hamlet but with several distinguishing markings: a pair of dark rounded spots at the base of the caudal fin placed above and below the midline, usually symmetrical, present on all stages, including large adults; a break in the narrow mid-body bar (the fourth bar, after the wide mid-body bar) just above the lateral line, usually associated with well-delineated and unbroken bars to each side; frequently a short rearward spur at the top of the last body bar (the fifth bar, forward of the caudal peduncle bar), usually outlining a light wedge just below the base of the last dorsal-fin rays. Characters not frequent on Caribbean Barred Hamlets, but typically associated with *H. floridus* (and *H. ecosur*) include the bar under the eye being orange, even when the body bars are brown, and a dusky pelvic fin.

**Description.** Body wide and broadly oval, maximum body depth just behind opercle 38–42 (42)% SL (range of paratypes (holotype)) and compressed, side-to-side width 12–15 (13)% SL (measured just forward of pectoral-fin base); predorsal length 38–42 (42)% SL; preanal length 65–71 (67)% SL; prepelvic length 36–41 (40)% SL; caudal peduncle depth 14–15 (15)% SL, caudal peduncle length (dorsal) 7–10 (8)% SL; lateral line complete, curving in a high arch over pectoral fin becoming straight on caudal peduncle.

Head large 41–43 (41)% SL; dorsal head profile smooth and mostly straight, rising sharply from terminal tip of jaw to dorsal-fin origin, maximum head depth (measured at the rear end of the opercle) 37–41 (42)% SL; eyes large and round, orbit diameter 26–29 (28)% HL; pupil pear-shaped, pointing forward, interorbital space flat and relatively narrow, minimum width 13–15 (14)% HL; snout sharply pointed and short 23–30 (29)% HL; upper preopercular margin tilted slightly forward of vertical with a rounded angle to lower limb, small regular straight serrations on both limbs, longest at angle, about 22–33 in total; opercle with three flat spines, the middle largest and at the level of the lower third of eye. Anterior nostril a short tube, posterior nostril a flat opening with a diameter about half internarial distance.

![Image of Hypoplectrus floridus](image_url)

**Figure 1.** *Hypoplectrus floridus*, holotype. SIO 12-58, 40.3 mm SL, Florida, Ten Thousand Islands.
**Hypoplectrus floridiae**

*Taxonomy ID:* 1230408  
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*Rank:* species  
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*Mitochondrial genetic code:* Translation table 2 (Vertebrate Mitochondrial)  
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*equivalent name:* Hypoplectrus sp. BV-2012

**Lineage:** abbreviated  
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**Comments and References:**

Victor (unpublished, 2012)  
Victor,B. "A new hamlet from the Gulf of Mexico (Perciformes:Serranidae:Hypoplectrus)" Unpublished (as of 6 Sep 2012)

**Victor (2012)**  
Victor,B.C. (2012) "Hypoplectrus floridiae n. sp. and Hypoplectrus ecosur n. sp., two new Barred Hamlets from the Gulf of Mexico (Pisces: Serranidae): more than 3% different in COI mtDNA sequence from the Caribbean Hypoplectrus species flock" Journal of the Ocean Science Foundation 5: 1-19

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