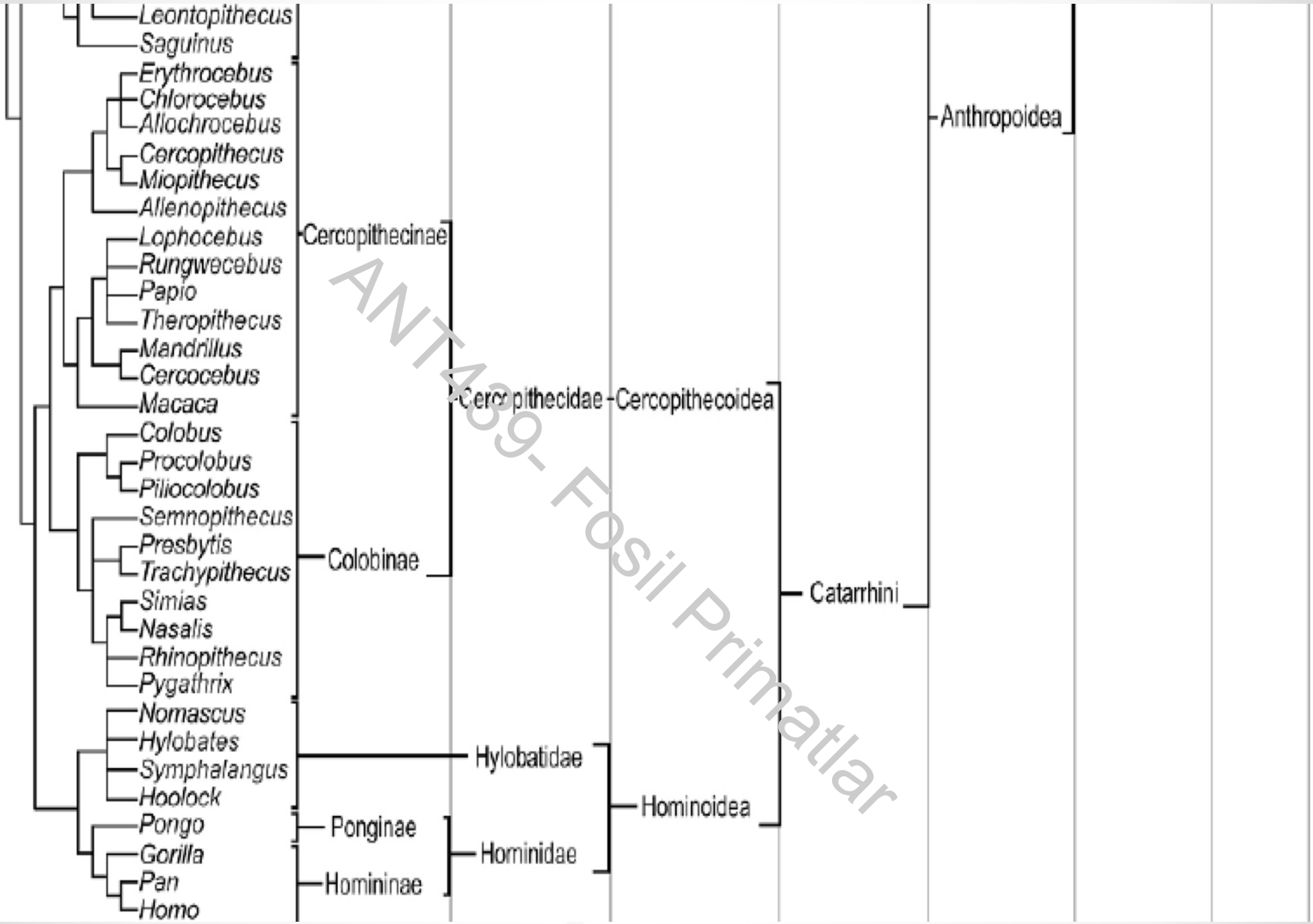
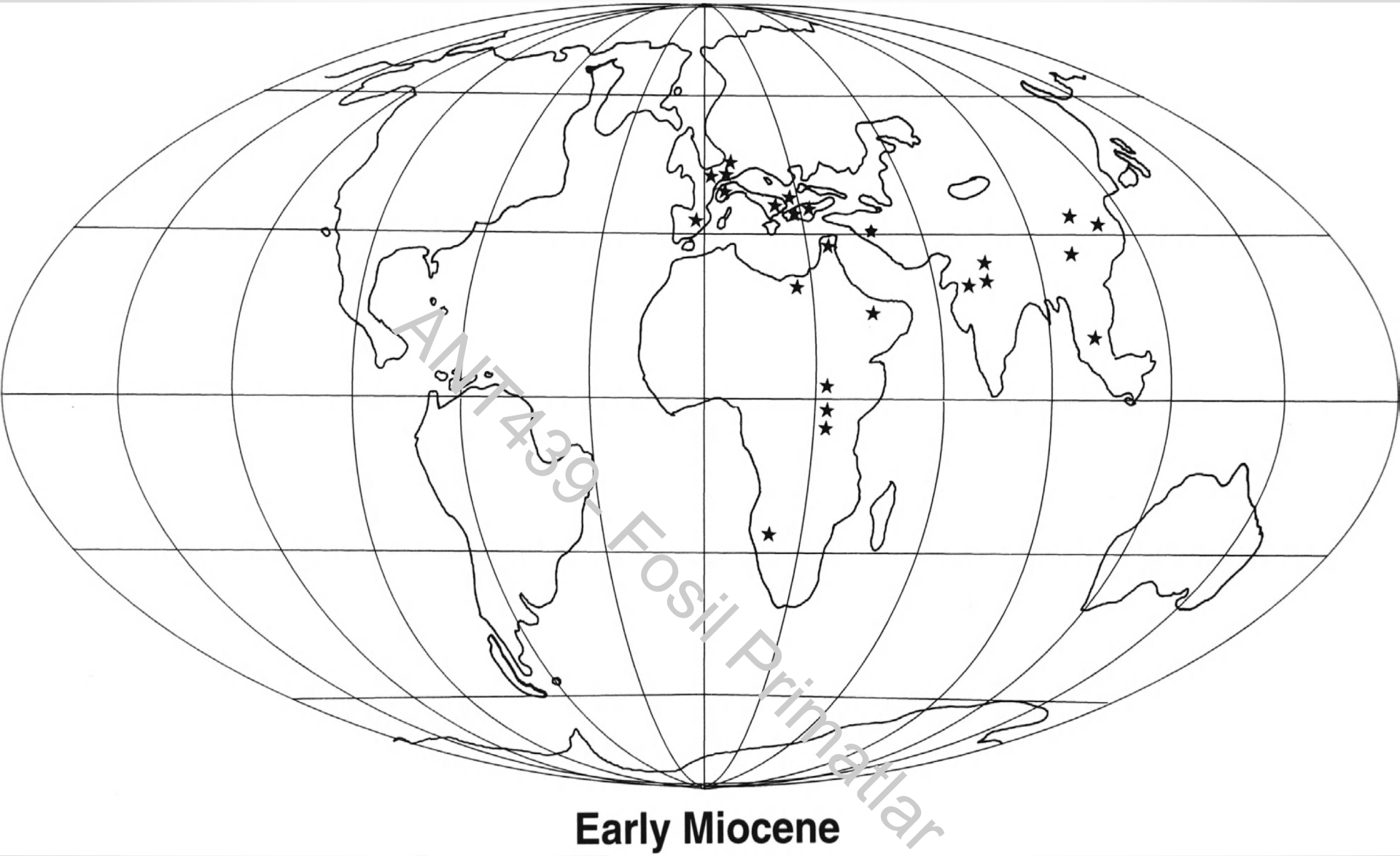
Outline

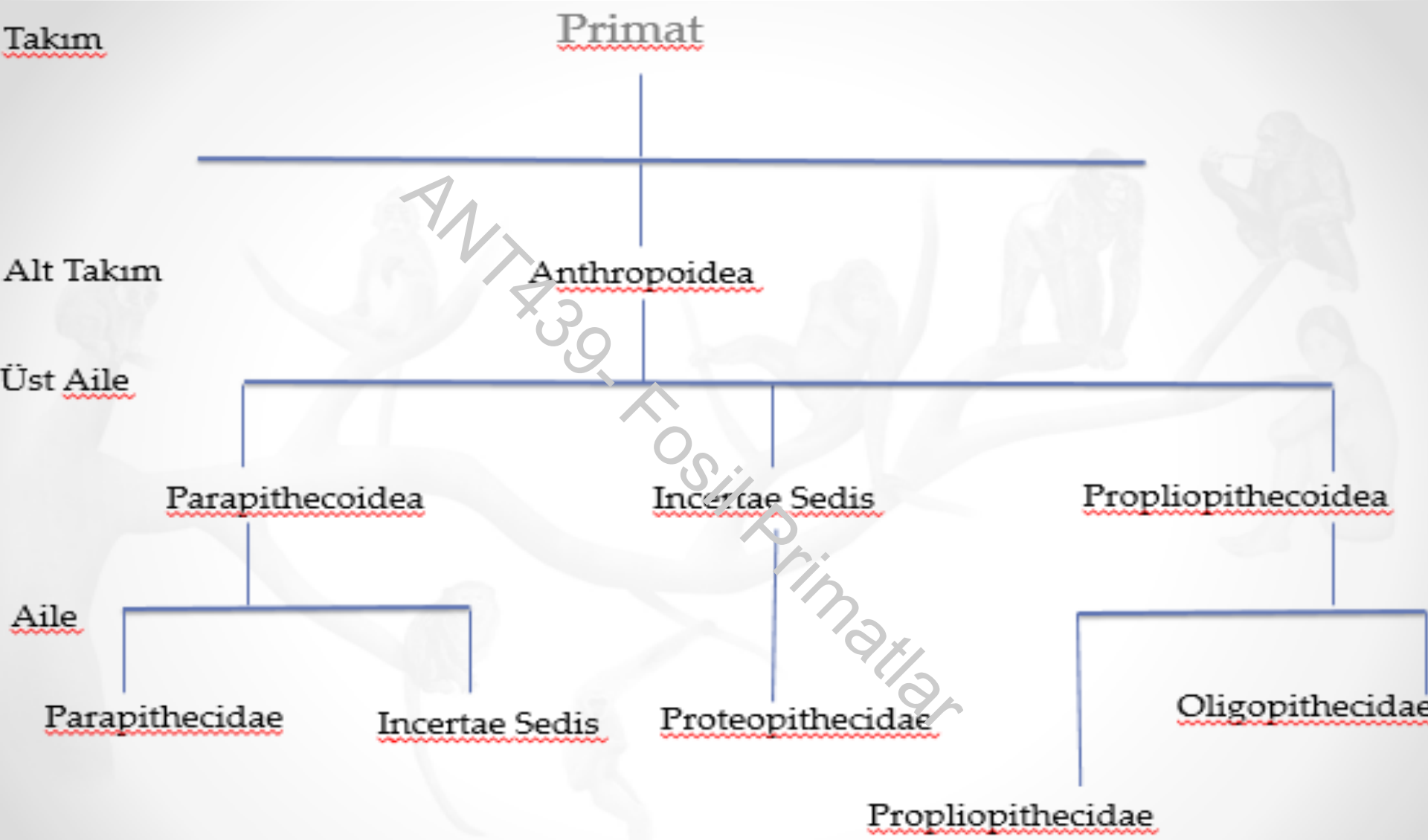
Primitive Catarrhines





Map of the Early Miocene world showing Miocene fossil ape locations.

Erken Anthropoid'ler



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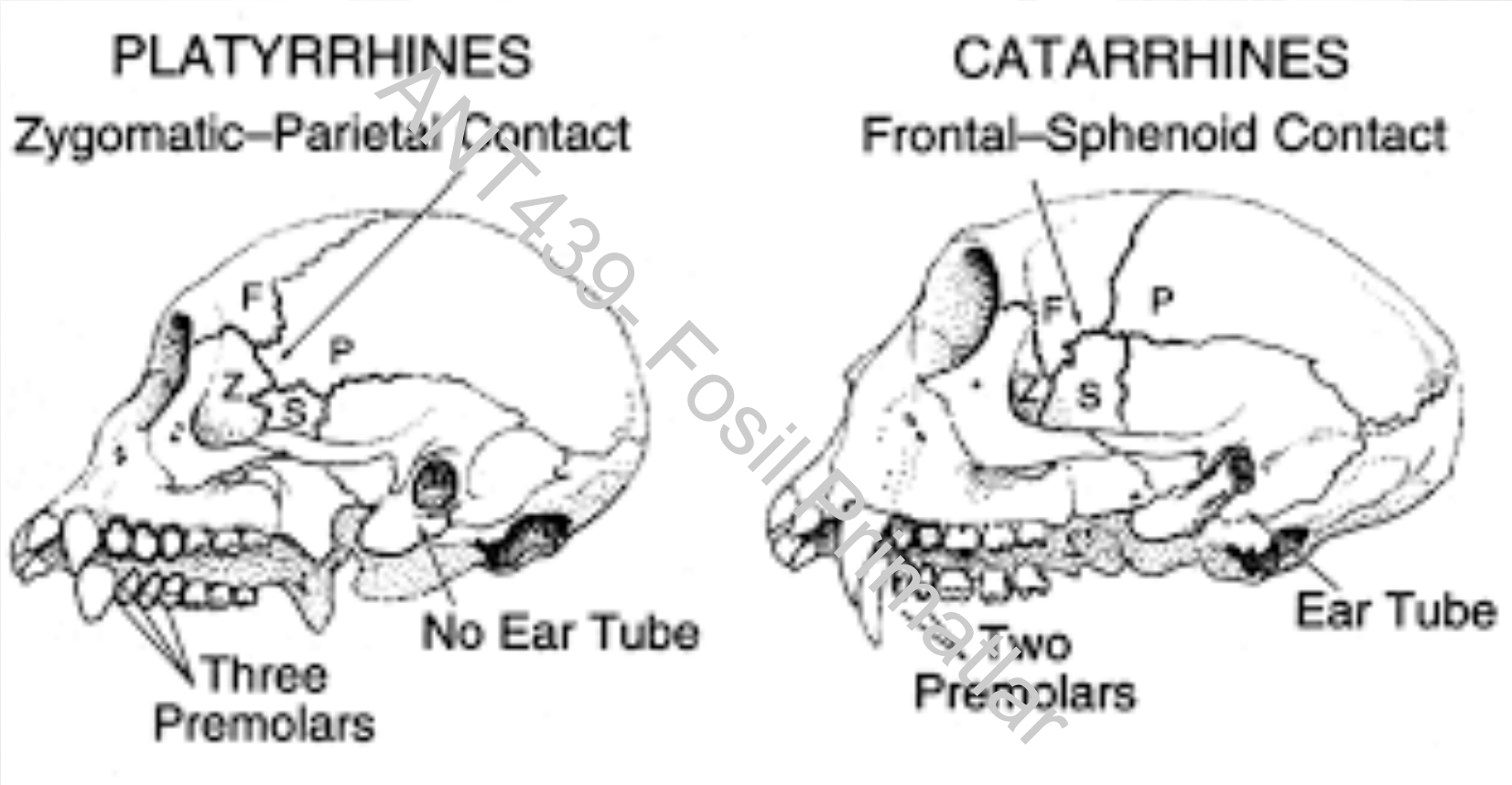

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- *Cranial characteristics*

  Catarrhines as a group share the following cranial features besides those characterizing anthropoids:

  · Tubular ectotympanic bone
  · Fused frontal bones
  · Complete postorbital closure formed by the frontal, zygomatic, and sphenoid bones

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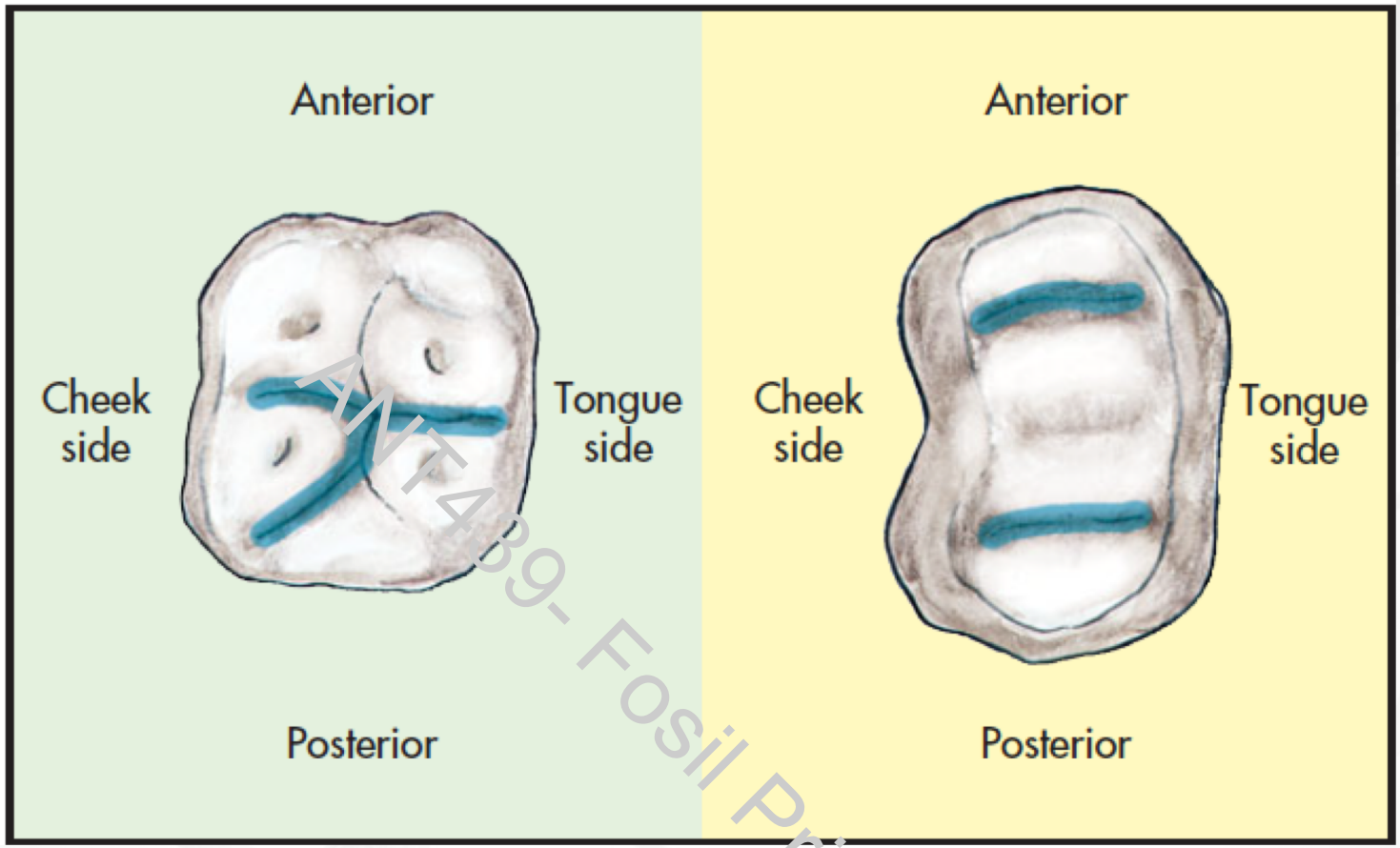
- *Dental characteristics*

Members of Catarrhini possess the following dental features:

· 2.1.2.3 Dental Formula
· Many possess a P3-canine shearing complex
· Cercopithecoids exhibit bilophodont molars, hominoids exhibit a simple Y-5 pattern



The Y-5 molar pattern (left) characterizes the ape, whereas bilophodont molars (right) characterize the Old World monkey. Both have a 2:1:2:3 dental formula.

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- *Postcranial characteristics*

  While catarrhines display a wide range of locomotor behaviors, they do share some postcranial features, including:

  · Lack entepicondylar foramen on humerus
  · Some genera have expanded ischial tuberosities