

SUPPLEMENTARY ONLINE MATERIAL FOR

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**Systematics and paleobiology of Carnivora and Hyaenodonta
from Buluk, early Miocene, Kenya**

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Supplementary Online Material

Figure S1. Unidentified possible carnivoran and hyaenodont dental specimens from Buluk (early Miocene).

Figure S2. Unidentified possible carnivoran and hyaenodont postcrania from Buluk (early Miocene).

Figure S1: Unidentified possible carnivoran and hyaenodont dental specimens from Buluk (early Miocene). A: KNM-WS 65236, isolated left? incisor in A₁: occlusal, A₂: mesial, A₃: buccal view. B: KNM-WS 65591, isolated left P2, possibly of a hyaenodontid in B₁: occlusal, B₂: lingual, B₃: buccal view. C: KNM-WS 101012, isolated left? premolar in C₁: occlusal, C₂: lingual, C₃: buccal view. D: KNM-WS 65465, right p3? in D₁: occlusal, D₂: buccal, D₃: lingual view. E: KNM-WS 65726, nasal and maxillary fragment with possible left I3 in the size range of *Hyainailouros sulzeri* or *Cynelos jitu* in E₁: buccal, E₂: mesial, E₃: posterior view.

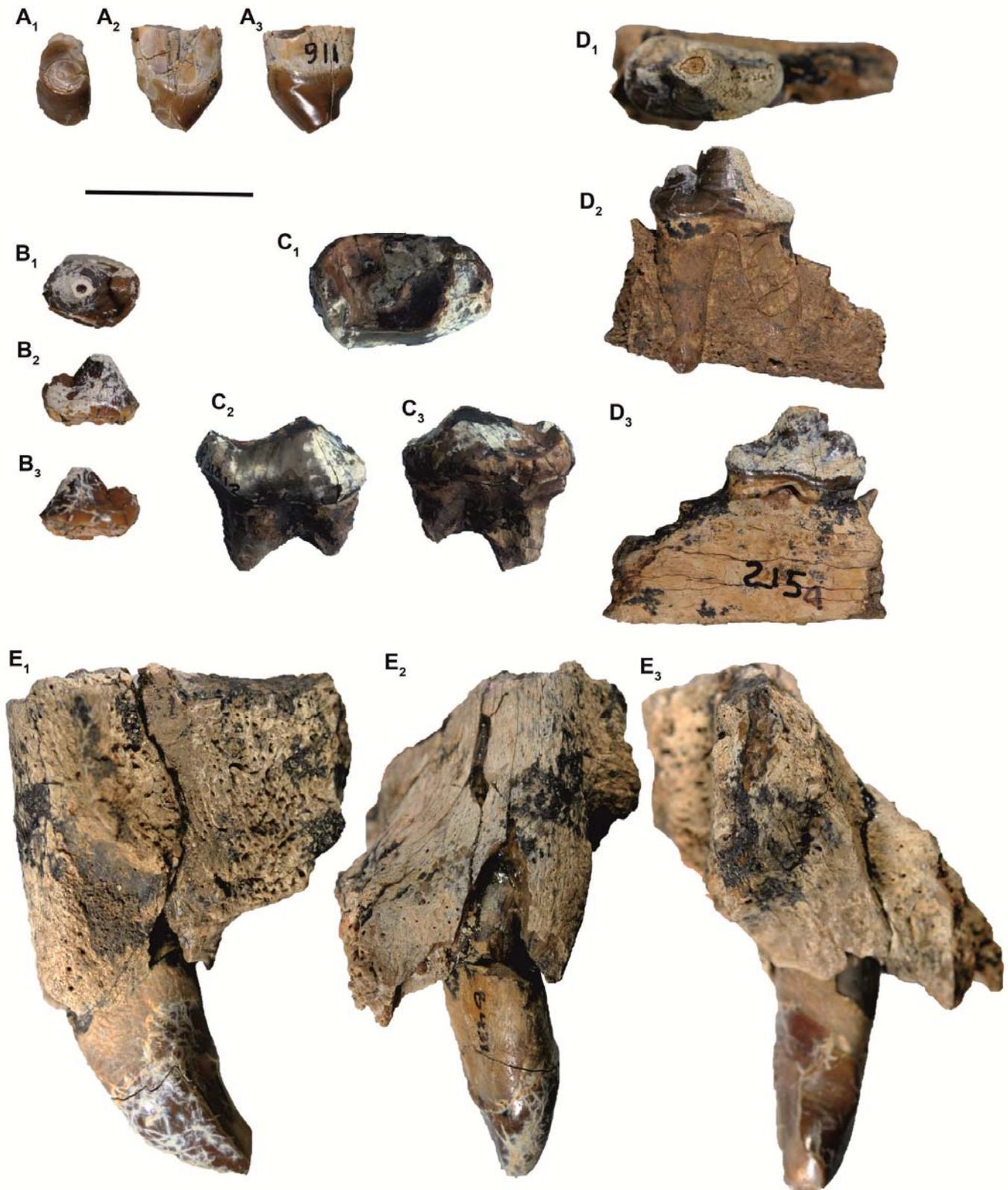


Figure S2: Unidentified possible carnivoran and hyaenodont postcrania from Buluk (early Miocene). A: KNM-WS 31036, is a right astragalus fragment comparable in size with *Crocotta* in A1: posterior, A2: anterior, A3: lateral, A4: proximal, A5: distal, A6: mesial view. The articulation for the tibia is very narrow, much more so than that documented for species in *Amphicyon* and *Panthera*. The articulation is not deeply inflated like in *Amphicyon*, but resembles *Panthera* in this respect more in being less inflated. B: KNM-WS 65395, right? phalanx in B1: dorsal, B2: ventral, B3: mesial, B4: proximal, B5: distal, B6: lateral view. C: KNM-WS 101029 is also a left proximal ulna fragment in C1: mesial, C2: lateral view. This specimen is slightly larger than KNM-WS 65733 but is otherwise very similar in morphology. D: KNM-WS 65472, fragment of right? distal metapodial in D1: ventral, D2: dorsal, D3: lateral view. E: KNM-WS 65731, fragment of right? distal metapodial E1: ventral, E2: dorsal, E3: lateral view. F: KNM-WS 65733 fragment of left proximal ulna in F1: mesial, F2: anterior, F3: lateral view. This presumably represents a carnivoran, as the anterior crest of olecranon runs straight proximally. G: KNM-WS 65766, fragment of a large right calcaneum in G1: proximal, G2: distal view. H: KNM-WS 65597, right scapholunare of *Cynelos* or *Hyainailouros* in H1: proximal, H2: distal, H3: mesial, H4: lateral view. I: KNM-WS 101031, right scapholunare of *Cynelos*? in I1: proximal, I2: distal, I3: mesial, I4: lateral view.

