

Mastacembelus frenatus East African spiny eel



Decoding
South Africa's
Biodiversity



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Phylum: Chordata

Estimated genome size:

758 Million DNA base pairs (0,758 Gigabases)

Organism size:

40 cm SL (male)

Distribution:

The east African spiny eel is distributed in southern Africa from the Lake Victoria basin in Uganda and Kenya, the Congo River basin in the Democratic Republic of Congo, southwards through to the Zambezi system in Namibia and Botswana.

Importance:

This species is used for human consumption but is listed as Least Concern on the IUCN Redlist. This is the first species in the genome to have its genome sequenced.

PromethION Sequencing Report:

Output: 18,2 Gigabases

Approximate N50: 5,45 kilobases

Draft Genome Assembly Statistics:

Genome length: 0,58 Gigabases

BUSCO completeness score (single and duplicated genes): 99,6%

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