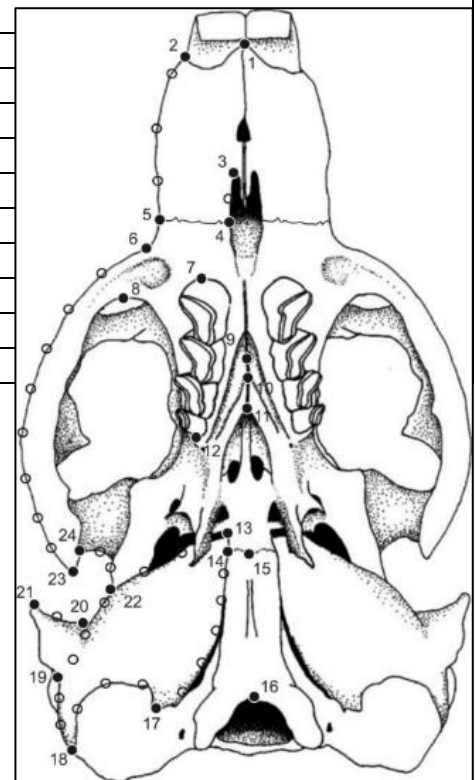


A new species of the highly polytypic South American rodent *Ctenomys* increases the diversity of the *magellanicus* clade

Supplementary material 5, Table S5. Morphometric analysis. Description of cranial landmarks and semilandmarks. **A** Ventral view; **B** lateral view.

A Ventral view	
Landmarks	
1	Anterior tip of the suture between premaxillaries (Fernandes et al. 2009)
2	anterolateral extremity of incisive alveolus (Fernandes et al. 2009)
3	Most posterior point of root of premaxillary septum (De Santi et al. 2020)
4	Lateral edge of incisive foramen at the suture between premaxilla and maxilla (Fernandes et al. 2009)
5	Premaxillary-maxillary suture on lateral edge of rostrum (De Santi et al. 2020)
6	Most anterior point of the root of the zygomatic arch (Fernandes et al. 2009)
7	Most anterior point of the premolar alveolus (Fernandes et al. 2009)
8	Posterior point of the inferior zygomatic root (De Santi et al. 2020)
9	Major palatine foramina (De Santi 2022)
10	Most anterior point of the maxillary-palatine suture (De Santi 2022)
11	Most anterior point of the mesopterygoid fossa (De Santi 2022)
12	Most anterior point of the M3 alveolus (Fernandes et al. 2009)
13	Most anterior point of the styloid apophysis (Fernandes et al. 2009)
14	Contact between auditory bulla and basioccipital-basisphenoid suture (De Santi 2022)
15	Middle point of the basioccipital-basisphenoid suture (De Santi 2022)
16	Most anterior point of the foramen magnum (Fernandes et al., 2009)
17	Most posterior point of the anterior margin of the root of the paraoccipital process (De Santi 2022)
18	Most lateral point between the paraoccipital process and auditory bulla (De Santi 2022)
19	Most posterior point of origin of the external auditory meatus (De Santi 2022)
20	Most anterior point of origin of the external auditory meatus (De Santi 2022)
21	Most anterior point of the external auditory meatus (Fernandes et al., 2009)
22	Posterior point between squamosal-alisphenoid contact (De Santi 2022)
23	Posterior point of the zygomatic arch (De Santi 2022)
24	Posterolateral point of the glenoid fossa (De Santi 2022)
Semilandmarks	
25-27	Between the landmarks 2 and 5
28	Between the landmarks 3 and 4
29-36	Between the landmarks 6 and 23
37-38	Between the landmarks 22 and 24
39	Between the landmarks 20 and 21
40-46	Between the landmarks 13 and 18
47-49	Between the landmarks 17 and 18
50-54	Between the landmarks 14 and 17



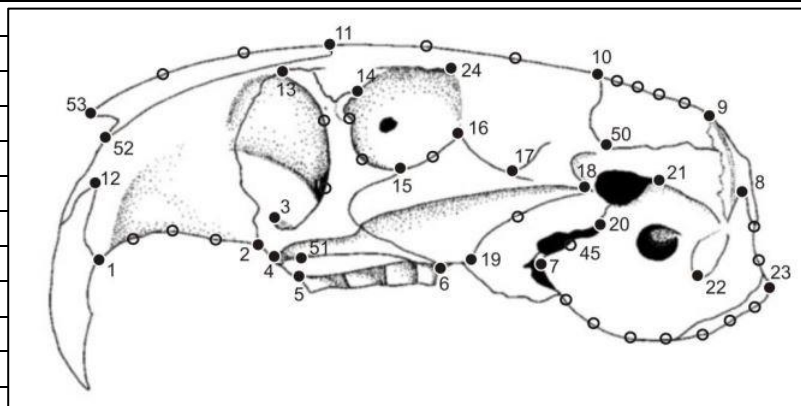
B Lateral view

Landmarks

1	Most posterior point of the alveolar margin of the incisors (Hautier et al. 2012)
2	Most ventral point of the premaxilla/maxilla suture (Hautier et al. 2012)
3	More antero-ventral point of the anterior zygomatic root (Verzi et al. 2016)
4	More antero-dorsal point of the anterior zygomatic root (Verzi et al. 2016)
5	More anterior point of the alveolus of dp4 (Fernandes et al. 2009)
6	Extremities of tooth row (Álvarez et al. 2013)
7	More anterior point of the auditory bulla
8	Most dorsal point of mastoid portion of the bulla (Verzi et al. 2016)
9	Meeting point of parietal and supraoccipital bones (Álvarez et al. 2013)
10	Meeting point of frontal and parietal bones (Álvarez et al. 2013)
11	Anterior end of suture between nasal and frontal bones (Álvarez et al. 2013)
12	Most dorsal point of the alveolar margin of the incisor (Verzi et al. 2016)
13	Most antero-dorsal margin of the antorbital bar (Verzi et al. 2016)
14	Meeting between lacrimal and frontal bones on the antero-dorsal margin of orbit (Álvarez et al. 2013)
15	Ventral meeting between maxillary and jugal bones (Álvarez et al. 2013)
16	Dorsal point of the antorbital bar (Fernandes et al. 2009)
17	Dorsal meeting between jugal and squamosal bones (Álvarez et al. 2013)
18	Posterior point of zygomatic arch (Fernandes et al. 2009)
19	Postero-ventral point of ventral jugal process (Fernandes et al. 2009)
20	Point at the anterior margin of the auditory bulla at the level of the postero-dorsal end of the lacerate foramen
21	Most posterior point of the postglenoid foramen, in contact with the auditory bulla
22	Most ventral point of the mastoid
23	Most posterior point of the paraoccipital process (Fernandes et al. 2009)
24	Meeting between squamosal-frontal suture and the postero-dorsal margin of orbit (Álvarez et al. 2013)
50	Most antero-ventral point of the suture between the parietal and squamosal. (Fernandes et al. 2009)
51	Posteroventral point of the anterior zygomatic root
52	Most anterior point of the suture between the nasals and premaxillaries (Fernandes et al. 2009)
53	Most antero-dorsal point of the nasals

Semilandmarks

25-27	Between the landmarks 1 and 2
28-31	Between the landmarks 7 and 23
32-33	Between the landmarks 23 and 28
34-37	Between the landmarks 9 and 10
38-39	Between the landmarks 10 and 11
40-41	Between the landmarks 13 and 3
42-43	Between the landmarks 14 and 15
44	Between the landmarks 15 and 16
45	Between the landmarks 7 and 20
46	Between the landmarks 18 and 19
47-49	Between the landmarks 7 and 23
54-55	Between the landmarks 11 and 53



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