EvoDevo

CORRECTION

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# Correction to: Breaking evolutionary and pleiotropic constraints in mammals: on sloths, manatees and homeotic mutations

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**Correction to: EvoDevo 2011, 2:11**
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In Table 1 of this article [1], the name of the three-toed sloth, Bradypus tridactylus, should be 5 rows higher in Table 1 and start with collection nr. RMNH.MAM.21576. The corrected Table 1 is given in this erratum.

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**Table 1** Vertebral information and congenital abnormalities in investigated mammalian specimens: Folivora (sloths)

| Collection | Species | Collection No. | Sex | Vertebral formula | Presacral No. | Rud. ribs on vertebrae | Skeletal and fibrous abnormalities |
|---|---|---|---|---|---|---|---|
| Folivora (sloths) | | | | | | | |
| RBINC | *Choloepus hoffmanni* | 15260[b] | F | 5C 1C/T 22T 1T/L 3L 6S 1S/Cg 5Cg | 32 | V6, V29 | C2/C3 fusion, deformation of pelvic girdle, hole in scapula |
| | | 16349[b]) | F | 5C 1C/T 21T 1T/L 3L 1L/S 5S 5Cg | 31.5 | V6 | C1/C2 fusion, hole in larynx |
| | | 16348[b] | F | 5C 1C/T 21T 4L 1L/S 7S 1SCg 4Cg | 31.5 | V6 | C2/C3 fusion |
| NCBN | *Choloepus didactylus* | RMNH.MAM.322[b] | F | 6C 1C/T 23T 4L 7S 1S/Cg 5Cg | 34 | V7 | Malformed first ribs, hole in scapula |
| | | RMNH.MAM.3961 | F | 6C 1C/T 23T 1T/L 2L 1L/S 7S 5Cg | 33.5 | V7 | – |
| | | RMNH.MAM.24470 | n.a. | 5C 2C/T 24T 4L 7S 1S/Cg 3 + Cg | 35 | V6, V7 | Abnormal fibrous band attached To rudimentary rib |
| | | RMNH.MAM.24469 | n.a. | 5C 2C/T 23T 4L 7S 4Cg | 34 | V6 V7 | Incomplete ossification sternum |
| | | RMNH.MAM.3274 | n.a. | 6C 1C/T 22T 1T/L 4L 7S 6Cg | 34 | V7 | – |
| | | RMNH.MAM.3465 | n.a. | 5C 2C/T 23T 1T/L 3L 7S 5Cg | 34 | V6 V7 | C2–C3 fusion, ossification absent in sternum, fusion of ribs on V6–V7 |
| | | RMNH.MAM.1002[b] | F | 5C 2C/T 23T 3L 1L/S 7S 4Cg | 33.5 | V6 V7 | C2–C3 fusion, deformation of first ribs, asymmetric sternum, fusion of rudimentary ribs on V6–V7 |
| | | RMNH.MAM.7203[b] | F | 6C 1C/T 23T 4L 7S 1S/Cg + Cg | 34 | V7 | C2–C3 fusion, V7–V8 fusion, asymmetric vertebrae, fibrous band attached To rudimentary ribs |
| | | RMNH.MAM.2552 | F | 6C 1C/T 24T 3L 7S 1S/Cg 5Cg | 34 | V7 | Malformed ribs (3 most anterior ones) |
| | | RMNH.MAM.1673 | F | 6C 1C/T 24T 3L 8S 5Cg | 34 | V7 | C3, C4, C5 fused |
| | | ZMA335 | n.a. | 6C 1C/T 24T 3L 8S 4CG | 34 | V7 | Ossification absent in sternum and sacrum |
| | | ZMA334 | n.a. | 5C 2C/T 23T 4L 1L/S 9S 3 + Cg | 34.5 | V6 | C2–C3 fusion |
| | | ZMA.336 | n.a. | 6C 1C/T 1C/T 22T 4L 8S 4Cg | 34 | V7 V8 | Abnormal fibrous band attached to rudimentary rib, incomplete ossification |
| | | RMNH.MAM.11417 | F | – | – | – | Malformed humeri, oligodontia |
| | | RMNH.MAM.1156 | n.a. | 1L 1L/S 7S 4Cg | – | – | [a] |
| | | ZMA.9765 | F | 6S 1S/Cg | – | – | [a] |
| | *Bradypus tridactylus* | RMNH.MAM.21576 | n.a. | 8C 1C/T 15T 3L 1L/S 6S 9Cg | 28 | V9 | Asymmetric cranium |
| | | RMNH.MAM.21581 | n.a. | 7C 2C/T 14T 1T/L 3L 7S 8Cg | 27 | V8 V9 V24 | – |
| | | RMNH.MAM.24440 | n.a. | 8C 1C/T 16T | – | – | Asymmetric cranium |
| | | RMNH.MAM.10460 | F | 8C 1C/T 15T 4L 6S 8Cg | 28 | V9 | Irregularly shaped first rib |

**Table 1** (continued)

| Collection | Species | Collection No. | Sex | Vertebral formula | Presacral No. | Rud. ribs on vertebrae | Skeletal and fibrous abnormalities |
|---|---|---|---|---|---|---|---|
| | | RMNH.MAM.10459 | F | 8C 1C/T 14T 3L 1L/S 6S 6C 6 + Cg | 27 | V9 | Metacarpal, metatarsal anomalies, many fractures, hole in cranium (unknown cause) |
| | | RMNH.MAM.18781 | F | 8C 1C/T 14T 4L 6S 8Cg | 27 | V9 | – |
| | | RMNH.MAM.24421 | n.a. | 8C 1C/T 15T 4L 5S 10Cg | 28 | – | – |
| | | ZMA331 | n.a. | 7C 2C/T 14T 1T/L 4L 6S 1S/Cg 7Cg | 28 | V8 V9 V24 | Irregularly shaped vertebrae and first rib |
| | | ZMA332 | n.a. | 8C 1C/T 15T 1T/L 3L 6S 1S/Cg 6 + Cg | 28 | V9 V25 | – |
| | | ZMA924[b] | n.a. | 8C 1C/T 15T 3L 6S 7Cg | 27 | V9 | Irregularly shaped vertebrae and first rib |
| | | U. ZMA coll.[b] | n.a. | 8C 1C/T 15T 4L 5S 1S/Cg 8Cg | 28 | V9 | – |

[a] Skeleton largely absent

[b] Died in captivity

*n.a.* not available, *C* cervical, *T* thoracic, *L* lumbar, *S* sacral, *Cg* coccygeal, *Cd* caudal (post thoracic), *V* vertebra, *rud.* rudimentary, *NCBN* NCB naturalis, *RMCA* Royal Museum for Central Africa Tervuren, *RBINC* Royal Belgian Institute of Natural Sciences Brussels, *NHM* Natural History Museum London

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## Publisher's Note