

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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The original article can be found online at <https://doi.org/10.1186/2041-9139-2-11>.

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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	<i>Choloepus hoffmanni</i>	15260 <sup>b</sup>	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 <sup>b</sup>	F	5C 1C/T 21T 1T/L 3L 1L/S 5S 5Cg	31.5	V6	C1/C2 fusion, hole in larynx
		16348 <sup>b</sup>	F	5C 1C/T 21T 4L 1L/S 7S 15Cg 4Cg	31.5	V6	C2/C3 fusion
NCBN	<i>Choloepus didactylus</i>	RMNH.MAM.322 <sup>b</sup>	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 <sup>b</sup>	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 <sup>b</sup>	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	–	–	<sup>a</sup>
ZMA.9765	F	6S 1S/Cg	–	–	<sup>a</sup>		
<i>Bradypus tridactylus</i>	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 <sup>b</sup>	n.a.	8C 1C/T 15T 3L 6S 7Cg	27	V9	Irregularly shaped vertebrae and first rib
		U. ZMA coll. <sup>b</sup>	n.a.	8C 1C/T 15T 4L 5S 1S/ Cg 8Cg	28	V9	–

<sup>a</sup> Skeleton largely absent

<sup>b</sup> 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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