

CITOGENETIC DATA TABLE OF RODENTS BELONGING TO THE FAMILIES CAVIIDAE, CTENOMYIDAE, CUNICULIDAE, DASYPROCTIDAE, ERETHIZONTIDAE AND SCIURIDAE

FAMILY	GENUS	SPECIE	2N	FN	X	Y	REFERENCE
Caviidae	<i>Cavia</i>	<i>aperea</i>	64	114	Unknown	Unknown	Dunnum & Salazar-Bravo, 2006
Caviidae	<i>Cavia</i>	<i>aperea</i>	64	116	Submetacentric	Unknown	Maia, 1984
Caviidae	<i>Cavia</i>	<i>aperea</i>	64	124	Large submetacentric	Small acrocentric	Pantaleão, 1978 <i>apud</i> Gava et al., 2011
Caviidae	<i>Cavia</i>	<i>fulgida</i>	64	124	Unknown	Unknown	Pantaleão, 1978 <i>apud</i> Gava et al., 2011
Caviidae	<i>Cavia</i>	<i>intermedia</i>	62	108	Large metacentric	Unknown	Gava et al. 1998 <i>apud</i> Gava et al., 2011
Caviidae	<i>Cavia</i>	<i>magna</i>	62	102	Large metacentric	Small submetacentric	Gava et al., 2011
Caviidae	<i>Cavia</i>	<i>magna</i>	62	124	Unknown	Unknown	Pantaleão, 1978 <i>apud</i> Gava et al., 2011
Caviidae	<i>Galea</i>	<i>spixii</i>	64	118	Large submetacentric	Small acrocentric	Maia & Hulak, 1978; Maia, 1984
Caviidae	<i>Kerodon</i>	<i>acrobata</i>	52	92	Large metacentric	Unknown	Zappes et al., 2014
Caviidae	<i>Kerodon</i>	<i>rupestris</i>	52	90	Large metacentric	Unknown	Maia & Hulak, 1978

Caviidae	<i>Kerodon</i>	<i>rupestris</i>	52	92	Large metacentric	Medium acrocentric	Maia, 1984; Lessa et al., 2013
Ctenomyidae	<i>Ctenomys</i>	<i>amazonicus</i>	34	64	Large metacentric	Medium acrocentric	Stolz, 2012
Ctenomyidae	<i>Ctenomys</i>	<i>boliviensis</i>	36	64	Unknown	Unknown	Wilson & Reeder, 2005
Ctenomyidae	<i>Ctenomys</i>	<i>boliviensis</i>	42	64	Unknown	Unknown	Wilson & Reeder, 2005
Ctenomyidae	<i>Ctenomys</i>	<i>boliviensis</i>	44	68	Unknown	Unknown	Wilson & Reeder, 2005
Ctenomyidae	<i>Ctenomys</i>	<i>boliviensis</i>	45	68	Unknown	Unknown	Wilson & Reeder, 2005
Ctenomyidae	<i>Ctenomys</i>	<i>flamarioni</i>	48	50	Unknown	Unknown	Massarini & Freitas., 2005
Ctenomyidae	<i>Ctenomys</i>	<i>flamarioni</i>	48	78	Unknown	Unknown	Massarini & Freitas, 2005
Ctenomyidae	<i>Ctenomys</i>	<i>lami</i>	54	76	Large submetacentric	Medium acrocentric	Freitas, 2001
Ctenomyidae	<i>Ctenomys</i>	<i>minutus</i>	46	76	Medium submetacentric	Small acrocentric	Freygang, 2002
Ctenomyidae	<i>Ctenomys</i>	<i>minutus</i>	47	76	Medium submetacentric	Small acrocentric	Freygang, 2002
Ctenomyidae	<i>Ctenomys</i>	<i>minutus</i>	48	76	Medium submetacentric	Small acrocentric	Freygang, 2002
Ctenomyidae	<i>Ctenomys</i>	<i>minutus</i>	49	77	Medium submetacentric	Small acrocentric	Freygang, 2002
Ctenomyidae	<i>Ctenomys</i>	<i>minutus</i>	50	78	Medium	Small acrocentric	Freygang, 2002

					submetacentric		
Ctenomyidae	<i>Ctenomys</i>	<i>nattereri</i>	36	64	Large metacentric	Unknown	Stolz, 2012
Ctenomyidae	<i>Ctenomys</i>	<i>torquatus</i>	40	72	Large submetacentric	Medium submetacentric	Fernandes et al., 2009
Ctenomyidae	<i>Ctenomys</i>	<i>torquatus</i>	42	72	Large submetacentric	Medium submetacentric	Fernandes et al., 2009
Cuniculidae	<i>Cuniculus</i>	<i>paca</i>	74	56	Unknown	Unknown	Pérez, 1992
Dasyproctidae	<i>Dasyprocta</i>	<i>azarae</i>	64	122	Medium metacentric	Small acrocentric	Souza et al., 2007
Dasyproctidae	<i>Dasyprocta</i>	<i>fuliginosa</i>	64	116	Large submetacentric	Small submetacentric	Ramos et al., 2003
Dasyproctidae	<i>Dasyprocta</i>	<i>fuliginosa</i>	65	124	Large submetacentric	Small submetacentric	Ramos et al., 2003
Dasyproctidae	<i>Dasyprocta</i>	<i>leporina</i>	64	116	Large submetacentric	Small submetacentric	Ramos et al., 2003
Dasyproctidae	<i>Dasyprocta</i>	<i>leporina</i>	65	118	Large submetacentric	Small submetacentric	Ramos et al., 2003
Dasyproctidae	<i>Dasyprocta</i>	<i>sp</i>	64	116	Large metacentric	Small submetacentric	Ramos et al., 2003
Dasyproctidae	<i>Dasyprocta</i>	<i>sp</i>	65	118	Large metacentric	Small	Ramos et al., 2003

						submetacentric	
Dasyproctidae	<i>Dasyprocta</i>	<i>prymnolopha</i>	64	116	Large metacentric	Small submetacentric	Ramos et al., 2003
Dasyproctidae	<i>Dasyprocta</i>	<i>prymnolopha</i>	65	118	Large metacentric	Small submetacentric	Ramos et al., 2003
Dasyproctidae	<i>Myoprocta</i>	<i>acouchy</i>	62	118	Submetacentric	Acrocentric	Hsu & Benirschke, 1968
Erethizontidae	<i>Chaetomys</i>	<i>subspinosus</i>	52	76	Metacentric or Submetacentric	Unknown	Vilela et al., 2009
Erethizontidae	<i>Coendou</i>	<i>insidiosus</i>	62	76	Unknown	Unknown	Lima, 1994 <i>apud</i> Voss, 2011
Erethizontidae	<i>Coendou</i>	<i>melanurus</i>	72	76	Unknown	Unknown	Bonvicino et al., 2002 <i>apud</i> Voss, 2011
Erethizontidae	<i>Coendou</i>	<i>prehensilis</i>	74	82	Unknown	Unknown	Lima, 1994 <i>apud</i> Voss, 2011
Erethizontidae	<i>Coendou</i>	<i>vilosus</i>	42	75-76	Medium submetacentric	Small submetacentric	Bonvicino et al., 2000; Paresque et al., 2004
Sciuridae	<i>Guerlinguetus</i>	<i>alphonsei</i>	40	76	Medium submetacentric	Unknown	Lima & Langguth, 2002
Sciuridae	<i>Guerlinguetus</i>	<i>aestuans ingrami</i>	40	74	Medium submetacentric	Medium subtelocentric	Fagundes et al., 2003
Sciuridae	<i>Urosciurus</i>	<i>spadiceus</i>	40	76	Medium submetacentric	Medium acrocentric	Lima & Langguth, 2002

References

- Bonvicino, C. R.; Almeida, F.C. & Cerqueira, R. 2000. The karyotype of *Sphiggurus villosus* (Rodentia: Erethizontidae) from Brazil. *Studies on Neotropical Fauna and Environment* 35(2): 81–83.
- Dunnum J. L. & Salazar-Bravo, J. 2006. Karyotypes of some members of the genus *Cavia* (Rodentia: Caviidae) from Bolivia. *Mammalian Biology* 71:366–370.
- Fagundes, V.; Christoff, A. U.; Amaro-Ghilard, R. C.; Scheibler, D. R.; Yonenaga-Yassuda, Y. 2003. Multiple interstitial ribosomal sites (NORs) in the Brazilian squirrel *Sciurus aestuans ingrami* (Rodentia, Sciuridae) with $2n = 40$. An overview of *Sciurus* cytogenetics. *Genetics and Molecular Biology* 26 (3): 253-257.
- Fernandes, F. A.; Gonçalves, G. L.; Ximenes, S. S. F. & Freitas, T. R. O. 2009. Karyotypic and molecular polymorphisms in *Ctenomys torquatus* (Rodentia: Ctenomyidae): taxonomic considerations. *Genetica*, 136(3): 449-459.
- Freitas, T. R. O. 2001. Tucos-tucos (Rodentia, Octodontidae) in Southern Brazil: *Ctenomys lami* spec. nov. Separated from *C. minutus* Nehring, 1887. *Studies on Neotropical Fauna and Environment* 36(1); 1–8.
- Freygang, C. C. 2002. Variação Cromossômica em *Ctenomys minutus* ao longo da sua Distribuição Geográfica. Dissertação de mestrado. Universidade Federal do Rio Grande do Sul, Porto Alegre, RS (Brasil). 86 p.

- Gava, A.; Santos, M.B.; Quintela, F.M. 2011. A new karyotype for *Cavia magna* (Rodentia: Caviidae) from an estuarine island and *C. aperea* from adjacent mainland. *Acta Theriol* 57:9-14.
- Hsu, T. C. & Benirschke, K. 1968. An atlas of mammalian chromosomes. New York, Spring - Verlag. V. 2. P. 72-76.
- Lessa, G.; Corrêa, M. M. O.; Pêsoa, L. M. & Zappes, I. A. 2013. Chromosomal differentiation in *Kerodon rupestris* (Rodentia: Caviidae) from the Brazilian semi-arid region. *Mastozoología Neotropical*, 20(2):399-405.
- Lima, J. S. F. & Langguth, A. 2002. Karyotypes of Brazilian squirrels: *Sciurus spadiceus* and *Sciurus alphonsei* (Rodentia, Sciuridae). *Folia Zoologica* - 51(3): 201-204.
- Maia, V. & Hulak, A. 1978. Estudo cromossômico de duas espécies da família Caviidae (Rodentia). *Revista Nordestina de Zoologia* 1:119-124.
- Maia, V. 1984. Karyotypes of three species of Caviinae (Rodentia, Caviidae). *Experientia* 40(6): 564-566.
- Massarini, A. I. & Freitas, T. R. O. 2005. Morphological and cytogenetics comparison in species of the mendocinus-group (genus *Ctenomys*) with emphasis in *C. australis* and *C. flamarioni* (Rodentia-Ctenomyidae). *Caryologia* 58(1): 21-27.
- Paresque, R.; Souza, W.P.; Mendes, S.L. & Fagundes, V. 2004. Composição cariotípica da fauna de roedores e marsupiais de duas áreas de Mata Atlântica do Espírito Santo. *Boletim de Biologia Mello Leitão* 17: 5-33.
- Pérez, E. M. 1992. Agouti paca. *Mammalian Species* 404: 1-7. American Society of Mammalogists.

- Ramos, R.S.L.; Vale, W.G. & Assis, F. L. 2003. Karyotypic analysis in species of the genus *Dasyprocta* (Rodentia: Dasyproctidae) found in Brazilian Amazon. *Anais da Academia Brasileira de Ciências* 75(1): 55-69.
- Souza, A.L.G.; Corrêa, M.M.O.; Pessôa, L.M. 2007. The first description of the karyotype of *Dasyprocta azarae* Lichtenstein, 1823 (Rodentia, Dasyproctidae) from Brazil. *Mastozoologia Neotropical* 14 (2): 227-233.
- Stolz, J.F.B. 2012. Taxonomia e Sistemática dos Tucos-Tucos do Noroeste do Brasil (Rodentia – Ctenomyidae) e a Descrição de uma Nova Espécie na Amazônia Brasileira. Tese de doutorado. Universidade Federal do Rio Grande do Sul. Porto Alegre, RS (Brasil). 118 p.
- Vilela, R. V.; Machado, T.; Ventura, K.; Fagundes, V.; Silva, M. J. J. & Yonenaga-Yassuda, Y. 2009. The taxonomic status of the endangered thin-spined Porcupine, *Chaetomys subspinosus* (Olfers, 1818), Based on Molecular and Karyologic data. *BMC Evolutionary Biology* 9(29): 17p.
- Voss, R. S. 2011. Revisionary Notes on Neotropical Porcupines (Rodentia: Erethizontidae) 3. An Annotated Checklist of the Species of *Coendou* Lacépède, 1799. *American Museum Novitates* 3720: 36 p.
- Wilson, D. E. & Reeder, D. M. 2005. *Mammal Species of the World: A Taxonomic and Geographic Reference*. 3ª edição. Johns Hopkins University Press, Baltimore, Maryland, 2.142 p.
- Zappes, I. A.; Portella, A. S. & Lessa, G. M. 2014. Description of karyotype of *Kerodon acrobata*, an endemic rodent in Brazilian cerrado. *Brazilian Journal of Biology* 74(1):251-256.