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**Figure S1 –** Sumidouro State Park: A) Lagoon Sumidouro in the dry season; B) Vegetation; C) Limestone outcrop. Peter Lund Natural Monument: D) Salitre Cave, collection point indicated by the arrow.



**Figure S2 –** Mandibles (md) and skull in ventral view (vv) and dorsal (dv) of rodents in owl pellets in central karst region of Minas Gerais. (A) *Calomys expulsus* (dv, vv, md); (B) *C. tener* (dv, vv, md); (C) *Necromys lasiurus* (dv, vv, md); (D) *Akodon* cf. *A*. *cursor* (md)*;* (E) *Thalpomys lasiotis* (md)*;* (F) *Oligoryzomys nigripes* (dv, vv, md); (G) *O. mattogrossae* (dv, vv, md); (H) *Cerradomys subflavus* (dv, vv, md); (I) *C. scotti* (md).



**Figure S3 -** Mandibles (md) and skull in ventral view (vv) and dorsal (dv) of rodents in owl pellets in central karst region of Minas Gerais. (A) *Pseudoryzomys simplex* (vv); (B) *Holochilus brasiliensis* (vv, md); (C) *Nectomys squamipes* (vv, md); (D) *Rhipidomys matacalis* (dv, vv, md); (E) *Thrichomys apereoides* (dv, vv, md); (F) *Trinomys setosus* (md); (G) *Carterodon sulcidens* (md).



**Figure S4 –** Rarefaction analysis graph of all ‘Superficial’ samples. Blue = Salitre Cave; Green = Toca do Lixo; Yellow = Mata Grande Cave; Red = Mariposas Cave. Y axis = Estimated richness. X axis = sample number (MNI). CI = 95%.



**Figure S5 –** Rarefaction analysis graph of the Salitre Cave samples, Peter Lund Natural Monument, Cordisburgo. Red = ‘Superficial’; Blue = ‘Stratified’. Y axis = Estimated richness. X axis = sample number (MNI). CI = 95%.

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**Figure S6 –** Rarefaction analysis graph of the Toca do Lixo samples, Sumidouro State Park, Pedro Leopoldo / Lagoa Santa. Blue = ‘Superficial’; Red = ‘Stratified’. Y axis = Estimated richness. X axis = sample number (MNI). CI = 95%.

**Table S3** - Comparison between the fauna and the richness of rodents collected in owls’ pellets in different studies in the Cerrado and Atlantic Forest biomes. (A) Motta-Junior & Talamoni (1996); (B) Motta-Junior & Alho (2000); (C) Bonvicino & Bezerra (2003); (D) Bueno & Motta-Junior (2008); (E) Magrini & Facure (2008); (F) Rocha et al. (2011); (G)Roda (2006); (H) Souza et al. (2010); (I) Lemos et al. 2015; (J) Scheibler & Christoff (2007); (K) Escarlate-Tavares & Pessoa (2005); (L) Present study.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** | **I** | **J** | **K** | **L** |
| **Species** | **Cerrado** | **Cerrado** | **Cerrado** | **Cerrado** | **Cerrado** | **Cerrado** | **Mata Atlântica** | **Mata Atlântica** | **Mata Atlântica /Restinga** | **Mata Atlântica /Pampa** | **Pantanal** | **Cerrado** |
| **Cricetidae** |  |  |  |  |  |  |  |  |  |  |  |  |
| *Akodon* cf. *A. cursor* | - | - | - | - | - | - | - | - | - | - | - | 4 |
| *Akodon cursor* | - | - | - | - | - | - | - | - | 12 | - | - | - |
| *Akodon paranaensis* | - | - | - | - | - | - | - | - | - | 153 | - | - |
| *Akodon* sp. | - | - | - | 12 | - | - | - | - | - | - | - | - |
| *Bruceppatersonius iheringi* | - | - | - | - | - | - | - | - | - | 5 | - | - |
| *Calomys callosus* | 203 | - | - | - | - | - | - | - | - | - | - | - |
| *Calomys* aff. c*allidus* | - | - | - | - | - | - | - | - | - | - | 1 | - |
| *Calomys expulsus* | - | - | 2 | - | 25 | - | - | - | - | - | - | 184 |
| *Calomys* sp. | - | - | - | - | - | - | - | - | - | 6 | - | 1448 |
| *Calomys tener* | - | x | 3 | 23 | 522 | - | - | - | 7 | - | - | 172 |
| *Calomys tocantinsi* | - | - | - | - | - | 121 | - | - | - | - | - | - |
| *Cerradomys goytaca* | - | - | - | - | - | - | - | - | 654 | - | - | - |
| *Cerradomys langguthi¹* | - | - | - | - | - | - | 5 | - | - | - | - | - |
| *Cerradomys scotti* | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *Cerradomys subflavus* | - | - | - | - | 3 | - | - | - | - | - | - | 27 |
| *Euryoryzomys* sp. | - | - | - | - | - | 2 | - | - | - | - | - | - |
| *Holochilus brasiliensis* | - | - | - | - | - | - | - | - | 64 | 17 | - | 2 |
| *Holochilus sciureus* | - | - | - | - | - | 99 | 28 | 63 | - | - | 450 | - |
| *Hylaeamys megacephalus* | - | - | - | - | - | 29 | - | - | - | - | - | - |
| *Necromys lasiurus* | 29 | x | 4 | 8 | 49 | 3 | 18 | 21 | 139 | 207 | 1 | 749 |
| *Nectomys* sp. | - | - | - | - | - | - | - | 1 | - | - | - | - |
| *Nectomys squamipes* | - | - | - | - | - | - | - | - | 57 | - | - | 3 |
| *Oecomys paricola* | - | - | - | - | - | 1 | - | - | - | - | - | - |
| *Oecomys* sp. | - | - | - | - | - | 13 | - | - | - | - | 1 | - |
| *Oligoryzomys fornesi²* | - | - | - | - | - | 26 | - | - | - | - | - | - |
| *Oligoryzomys mattogrossae* |  |  |  |  |  |  |  |  |  |  |  | 30 |
| *Oligoryzomys nigripes* | 3 | x | - | 20 | 10 | - | - | - | - | 140 | - | 135 |
| *Oligoryzomys* sp. | - | - | 1 | - | - | - | - | - | - | - | 1 | 70 |
| *Oryzomys angouya3* | - | - | - | - | - | - | - | - | - | 1 | - | - |
| *Oryzomys subflavus* (group) | - | - | 4 | - | - | - | - | - | - | - | - | - |
| *Oxymycterus delator* | - | - | 2 | - | - | - | - | - | - | - | - | - |
| *Oxymycterus roberti4* | 2 | - | - | - | - | - | - | - | - | - | - | - |
| *Oxymycterus* sp. | - | - | - | - | - | - | - | - | - | 1 | - | - |
| *Pseudoryzomys simplex* | - | x | - | - | - | - | 5 | - | - | - | - | 1 |
| *Rhipidomys mastacalis* | - | - | - | - | - | - | - | - | - | - | - | 4 |
| *Thalpomys cerradensis* | - | - | 7 | - | - | - | - | - | - | - | - | - |
| *Thalpomys lasiotis* | - | - | 14 | - | - | - | - | - | - | - | - | 16 |
| **Echimyidae** |  |  |  |  |  |  |  |  |  |  |  |  |
| *Carterodon sulcidens* | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *Clyomys bishopi* | - | - | - | 11 | - | - | - | - | - | - | - | - |
| *Thrichomys apereoides* | - | - | - | - | - | - | 1 | - | - | - | - | 5 |
| *Thrichomys laurentus* | - | - | - | - | - | - | - | 3 | - | - | - | - |
| *Trinomys setosus* | - | - | - | - | - | - | - | - | - | - | - | 1 |
| **Caviidae** |  |  |  |  |  |  |  |  |  |  |  |  |
| *Cavia aperea* | - | - | - | - | - | - | - | - | - | 40 | 1 | - |
| *Cavia fulgida* | - | - | - | - | - | - | - | - | 8 | - | - | - |
| *Galea spixii* | - | - | - | - | - | - | 6 | 5 | - | - | - | - |
| **Muridae** |  |  |  |  |  |  |  |  |  |  |  |  |
| *Rattus norvegicus* | - | - | - | - | - | - | - | - | - | 2 | - | - |
| *Rattus rattus* | 1 | - | - | 3 | 3 | 2 | 3 | 169 | 69 | 89 | - | 6 |
| *Mus musculus* | - | - | - | - | 9 | - | - | 94 | 688 | 3163 | - | 12 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Unidentified | - | - | 4 | - | 7 | 58 | - | - | - | 94 | 126 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **MNI / individual total** | 238 | 0 | 41 | 77 | 628 | 354 | 61 | 356 | 1698 | 3918 | 581 | 2871 |
| **Specie total** | **5** | **4** | **8** | **6** | **7** | **9** | **7** | **7** | **9** | **12** | **6** | **18** |

1. Reported as *Oryzomys subflavus*, updated following Percequillo et al. (2008).

2. Probably is *O. mattogrossae*, see revision of Weksler et al. (2017).

3. Actual *Sooretamys angouya.*

4. Actual *Oxymycterus dasytrichus.*