

**Supplementary Figure 1:** Suitability frequency of the consensus map from potential distribution for genus *Endecous* Saussure, 1878 during Last Glacial Maximum (21K), Mid-Holocene (6Ka), Current (0Ka), and Future (RCP8.5, 2080-2100). The coloring of the arrows represents the temperature rise in each scenario (cold ⇨ hot).

**Supplementary Table 1.** Dataset compiled from the distribution known for the genus *Endecous* Saussure, 1878, used to build correlative ecological niche modelling (ENMs).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Locality | Date | Habitat | Category | Source | Latitude | Longitude |
| Toca da Barriguda | XII/2018 | Cave | record | Bioespeleology Studies (Alvarenga 2020) | -10,601673 | -40,932502 |
| Toca da Boa Vista | XII/2018 | Cave | record | Bioespeleology Studies (Alvarenga 2020) | -10,160469 | -40,861180 |
| C, de São Tome | XII/2018 | Cave | record | Bioespeleology Studies (Alvarenga 2020) | -10,140677 | -40,852307 |
| C, Três Inchús | 2015-2016 | Cave | record | Bioespeleology Studies (Araújo et al. 2017) | -6,052114 | -37,900983 |
| C, Dorminhoco | 2015-2016 | Cave | record | Bioespeleology Studies (Araújo et al. 2017) | -6,049815 | -37,896735 |
| C, da Bota | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento 2011) | -5,525236 | -37,618136 |
| C, do Complexo Suiço | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento 2011) | -5,561806 | -37,660750 |
| C, do Chocalho | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento 2011) | -5,560214 | -37,660933 |
| C, de Geilson | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento 2011) | -5,598119 | -37,688211 |
| C, do Sabonete | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento 2011) | -5,526681 | -37,623975 |
| C, dos Três Lagos | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento 2011) | -5,593289 | -37,687156 |
| C, dos Troglóbios | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento 2011) | -5,556742 | -37,661269 |
| C, do Urubú | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento 2011) | -5,572947 | -37,652542 |
| C, do Vale | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento 2011) | -5,530825 | -37,616117 |
| C, Buraco da Nega | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,532544 | -37,844647 |
| C, do Britador | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,023847 | -37,497086 |
| C, dos Cipós | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,033053 | -37,499308 |
| C, da Escada | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,168842 | -37,728050 |
| C, do Lago | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,036500 | -37,570900 |
| C, dos Macacos/Esquecida | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,038833 | -37,561472 |
| C, do Pinga | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,052239 | -37,539714 |
| C, Beira Rio | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,552053 | -37,628586 |
| C, do Buraco Redondo | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,578606 | -37,651386 |
| C, do Cote | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,526322 | -37,574242 |
| C, Lapa I/Engano | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,561636 | -37,695069 |
| C, Rumana | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,565069 | -37,651981 |
| C, da Seta | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,544508 | -37,643792 |
| C, Boca de Peixe | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,484569 | -37,558228 |
| C, da Capoeira de João Carlos | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,515747 | -37,528264 |
| C, do Lajedo Grande | XII/2009-VIII/2010 | Cave | record | Bioespeleology Studies (Bento et al. 2016) | -5,462278 | -37,552517 |
| C. Nova Esperança | 2010-2012 | Cave | record | Bioespeleology Studies (Bichuette et al. 2019) | -14,432667 | -46,155557 |
| C, Doralino | 2010-2012 | Cave | record | Bioespeleology Studies (Bichuette et al. 2019) | -14,191265 | -46,357541 |
| Lapa da Bomba | 2010-2012 | Cave | record | Bioespeleology Studies (Bichuette et al. 2019) | -14,209155 | -46,335075 |
| C, Russão | 2010-2012 | Cave | record | Bioespeleology Studies (Bichuette et al. 2019) | -14,08305 | -46,386582 |
| C, Revolucionários | 2010-2012 | Cave | record | Bioespeleology Studies (Bichuette et al. 2019) | -14,291526 | -46,253439 |
| Lapa Angélica | 2010-2012 | Cave | record | Bioespeleology Studies (Bichuette et al. 2019) | -13,522833 | -46,382083 |
| Lapa do Bezerra | 2010-2012 | Cave | record | Bioespeleology Studies (Bichuette et al. 2019) | -13,547384 | -46,376295 |
| C, Pau Pombo | 2010-2012 | Cave | record | Bioespeleology Studies (Bichuette et al. 2019) | -13,683489 | -46,375215 |
| C, São Bernardo | 2010-2012 | Cave | record | Bioespeleology Studies (Bichuette et al. 2019) | -13,811375 | -46,372262 |
| C, Terra Ronca II | 2010-2012 | Cave | record | Bioespeleology Studies (Bichuette et al. 2019) | -13,733800 | -46,358750 |
| C, Urubu Rei | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,491933 | -56,852694 |
| C, Antenor | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,625641 | -56,864693 |
| C, California | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,701852 | -56,845501 |
| C, da Procura | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,729341 | -56,838693 |
| C, Parda | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,730041 | -56,838493 |
| C, do Senhor Valdemar | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,728203 | -56,807843 |
| C, Pai Adão III | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,736941 | -56,788993 |
| C, Senhor Natal | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,737213 | -56,789886 |
| C, Flor da Bodoquena | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,764549 | -56,802907 |
| C, do Bacurí | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,756159 | -56,773186 |
| C, Córrego Azul I | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,763041 | -56,752792 |
| C, Córrego Azul III | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,762141 | -56,751492 |
| C, do Morro do Jericó | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,772641 | -56,749647 |
| C, Manoel Cardoso | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,568056 | -56,722778 |
| C, das Fadas | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,567778 | -56,725278 |
| C, Cinco de Ouros | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,571222 | -56,724758 |
| C, Abismo do Paquinha | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,571111 | -56,730556 |
| C, da Mulher | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,583611 | -56,721111 |
| C, do Alex | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,606841 | -56,709692 |
| C, Azedinha I | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,596944 | -56,725556 |
| C, Azedinha II | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,595278 | -56,725278 |
| C, de São Miguel | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,570915 | -56,725024 |
| C, Pitangueiras | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,870119 | -56,585682 |
| C, do Mimoso | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -20,902116 | -56,558852 |
| C, Abismo Anhumas | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -21,144593 | -56,599751 |
| C, Abismo do Poço | compiled information | Cave | record | Bioespeleology Studies (Cordeiro et al. 2014) | -21,433333 | -56,452778 |
| C, Kid Bairro | 2013 | Cave | record | Bioespeleology Studies (Fernandes & Bichuette 2013) | -29,256111 | -55,573417 |
| C, Rincão dos Pintos | 2013 | Cave | record | Bioespeleology Studies (Fernandes & Bichuette 2013) | -29,256194 | -55,573806 |
| C, do Faxinal | 2013 | Cave | record | Bioespeleology Studies (Fernandes & Bichuette 2013) | -29,599306 | -54,155250 |
| C, Santo Antônio | 2002 | Cave | record | Bioespeleology Studies (Ferreira & Pellegrini 2020) | -21,197233 | -44,850803 |
| C, Helictites | 11/X/2011 | Cave | record | Bioespeleology Studies (Iniesta et al. 2012) | -19.560285 | -43.960153 |
| C, Pacas | 12/X/2011 | Cave | record | Bioespeleology Studies (Iniesta et al. 2012) | -19.560221 | -43.966444 |
| C, do Capão Xavier | 2005-2006 | Artificial Cave | record | Bioespeleology Studies (Paixão et al. 2017) | -20,049933 | -43,980036 |
| C, do Parafuso | 2015 | Cave | approximate record | Bioespeleology Studies (Pinto & Veiga 2018) | -13,832334 | -41,280745 |
| C, da Caridade | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -6,222968 | -36,943207 |
| Lapa do Convento | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -10,048919 | -40,726953 |
| Toca da Tiquara | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -10,452514 | -40,536653 |
| Toca do Gonçalo | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -10,510992 | -40,894659 |
| Toca D´água de Patamuté | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -9,314152 | -39,505979 |
| C, do Zé de Juvino | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -5,541863 | -37,629090 |
| C, Geraldo Gusso | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -5,561297 | -37,664005 |
| C, do Calixto | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -13,293112 | -41,063309 |
| C, da Torrinha | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -12,349500 | -41,603809 |
| C, do Malone | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -12,336869 | -41,605751 |
| C, da Fumaça | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -12,332403 | -41,596601 |
| Lapa do Honorato | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -14,464452 | -43,592261 |
| C, do Apertar da Hora | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -5,330580 | -36,143502 |
| C, dos Fugitivos | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -5,331175 | -36,143202 |
| C, Arrgh | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -5,332640 | -36,139607 |
| C, O Louco | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -5,331925 | -36,139403 |
| C, do Sr. Zé | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -14,418066 | -44,419858 |
| Poço Azul do Milu | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -12,782203 | -41,149104 |
| C, do Guano | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -5,139561 | -35,908600 |
| Toca da Jurema | 2007-2010 | Cave | record | Bioespeleology Studies (Prous, X. unpublished data) | -11,056357 | -41,092989 |
| C, Água Rasa | 2011 | Cave | record | Bioespeleology Studies (Salgado 2011) | -15,547389 | -47,750111 |
| C, dos Morcegos | 2011 | Cave | record | Bioespeleology Studies (Salgado 2011) | -15,560819 | -47,877694 |
| Lapa do Taquaril | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -15.415692 | -46.217094 |
| Lapa do Velho Juca | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -15.912514 | -46.362901 |
| Lapa da Camila | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -15.910298 | -46.370321 |
| Lapa da Capa | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -15.948045 | -46.329445 |
| Lapa da Suindara | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -15.914036 | -46.362388 |
| C, do Caidô | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -16.208907 | -47.246102 |
| C, Ronan II | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -18.382473 | -47.163398 |
| C, Ronan II | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -18.388158 | -47.155976 |
| C, do Urubu | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -18.320793 | -47.111953 |
| Lapa dos Morcegos | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -18.330773 | -47.103997 |
| C, João do Pó | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -18.399344 | -47.173109 |
| Lapa D'água | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -18.330809 | -47.104007 |
| C, Tauá | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -17.944806 | -46.413427 |
| C, da Vendinha | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -18.117204 | -46.850409 |
| C, da Lagoa Rica | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -17.151218 | -46.793076 |
| Lapa da C,a | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -16.883648 | -46.903326 |
| Lapa da Santa Fé | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -16.872246 | -46.902330 |
| Lapinha de Santo Antônio | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -17.125511 | -46.818493 |
| C, da Caieira | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -18.316950 | -46.087531 |
| C, da Juruva | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -18.321658 | -46.081183 |
| C, Abriguinho | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -16.209961 | -47.280261 |
| C, Barth | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -16.416107 | -47.067706 |
| C, Cachoeira do Queimado | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -16.217004 | -47.323905 |
| Lapa do Sapezal | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -16.800507 | -46.896032 |
| C, Malhadinha | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -16.213504 | -47.264107 |
| C, Abrigo da Escarpa | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -17.927781 | -46.813028 |
| C, das Urtigas | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -17.920682 | -46.810804 |
| C, dos Urubus | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -17.930213 | -46.814742 |
| Lapa Nova II | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -17.983805 | -46.891707 |
| Lapa da Delza | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -17.984909 | -46.906305 |
| C, Não Cadastrada | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -17.922266 | -46.810461 |
| Sumidouro da Vaca Morta | 2000; 2009-2011 | Cave | record | Bioespeleology Studies (Simões 2013) | -17.928171 | -46.827359 |
| Toca da Onça I/II | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva & Ferreira 2011) | -13.437546 | -39.062504 |
| C, do Edgar/Itambé | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -21.068577 | -47.419332 |
| C, da Limoeiro | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.482771 | -41.172488 |
| C, do Evald | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.361189 | -40.724458 |
| C, MP002 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.230580 | -43.858610 |
| C, MP011 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.217900 | -43.857230 |
| C, MP015 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.242190 | -43.870440 |
| C, MP016 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.242860 | -43.867140 |
| C, RM 33 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.034868 | -43.994486 |
| SMS 31 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.201739 | -43.967051 |
| SMS 25 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.247407 | -43.966003 |
| SMS 19 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.221026 | -43.977156 |
| SMS 29 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.201478 | -43.967110 |
| SMS 4 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.183370 | -43.971584 |
| C, Baixada dos crioulos II | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -19.437569 | -43.312499 |
| C, do Martiniano | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -21.710917 | -43.894719 |
| C, do Pião | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -21.702039 | -43.872303 |
| C, Coelhos | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -21.710915 | -43.895831 |
| C, das Bromélias | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -21.709406 | -43.899697 |
| C, dos Moreiras | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -21.677302 | -43.882498 |
| Pedra Riscada | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -22.358689 | -42.285546 |
| Cabeceira do Americaninha | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -17.129668 | -41.186148 |
| C, Quarto Patamar 1/2 | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -23.785282 | -46.301398 |
| C, da Fonte Samuel | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.922020 | -46.958626 |
| C, da Santa Bárbara | 2004-2008 | Cave | record | Bioespeleology Studies (Souza-Silva 2008) | -20.356600 | -41.146489 |
| C, da Represinha | 2011-2012 | Cave | record | Bioespeleology Studies (Souza-Silva 2012) | -19.131460 | -44.353629 |
| C, 2 | 2011-2012 | Cave | record | Bioespeleology Studies (Souza-Silva 2012) | -19.126847 | -44.368090 |
| C, Salitre do Salitre | 2011-2012 | Cave | record | Bioespeleology Studies (Souza-Silva 2012) | -19.121918 | -44.351499 |
| Lapinha do Atamis | 2011-2012 | Cave | record | Bioespeleology Studies (Souza-Silva 2012) | -19.142032 | -44.355766 |
| C, 4 | 2011-2012 | Cave | record | Bioespeleology Studies (Souza-Silva 2012) | -19.119370 | -44.351518 |
| Lapa da Onça | 2011-2012 | Cave | record | Bioespeleology Studies (Souza-Silva 2012) | -19.186165 | -44.364858 |
| C, Santo Amaro I/II | 2011-2012 | Cave | record | Bioespeleology Studies (Souza-Silva 2012) | -19.067138 | -44.341913 |
| C, de Maquiné | 2011-2012 | Cave | record | Bioespeleology Studies (Souza-Silva 2012) | -19.122568 | -44.351116 |
| C, do Funil | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.264386 | -45.644980 |
| C, dos Três Salões | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.262938 | -45.635667 |
| C, do Depósito | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.316902 | -45.647755 |
| C, do Teto Plano | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.261382 | -45.636197 |
| C, Cinderela | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.446149 | -45.600381 |
| C, da Fumaça II | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.318186 | -45.814015 |
| C, dos Coqueiros | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.292662 | -45.853424 |
| C, Dico Ramiro | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.316746 | -45.822388 |
| C, do Helinho II | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.308388 | -45.847074 |
| C, do Paredão Descoberto | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.230688 | -45.683976 |
| C, do Cornélio II | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.302685 | -45.670127 |
| C, dos Macacos II | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.407158 | -45.672485 |
| C, Ponte Velha I | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.415536 | -45.690531 |
| C, do Dimas II | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.467115 | -45.661844 |
| C, do Tamafi II | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.395105 | -45.679189 |
| C, do Cornélio III | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.300708 | -45.669725 |
| Loca dos Negros I/2 (Água/Seca) | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.435462 | -45.659638 |
| C, Sr. Francisco | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.371360 | -45.674294 |
| C, das Duas Bocas | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.367478 | -45.678148 |
| C, do Paleopiso | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.405552 | -45.589240 |
| C, Água Limpa I | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.452013 | -45.652940 |
| C, da Paca | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.473830 | -45.659035 |
| C, Zé Erpídio | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.415483 | -45.678617 |
| C, Zé Serafim | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.413976 | -45.656786 |
| C, do Veado | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.373814 | -45.704881 |
| C, da Índia | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.464110 | -45.651112 |
| Água Limpa III | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.452013 | -45.652940 |
| Loca D’ Água (ressurgência) | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.423987 | -45.691977 |
| Sistema Conchas | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.428657 | -45.659858 |
| C, da Ponte Velha II | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.413114 | -45.688315 |
| C, do Sumidouro | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.409082 | -45.800882 |
| C, do Sumidouro do Lixo | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.410783 | -45.800412 |
| C, do Isaías | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.367874 | -45.657309 |
| C, dos Cristais | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.425268 | -45.633244 |
| Loca Feia | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.424905 | -45.628556 |
| C, Dolina dos Angicos | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.418383 | -45.678821 |
| C, Terra Amarela I | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.316575 | -45.784831 |
| C, Terra Amarela II | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.316769 | -45.783922 |
| C, do Retiro | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.427467 | -45.599110 |
| C, Lateral Direita Massambará | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.328433 | -45.809863 |
| C, Massambará II | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.333919 | -45.811540 |
| C, do Buraco do Vento | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.329501 | -45.805721 |
| C, do Davi | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.338422 | -45.779136 |
| C, da Lanchonete da Coruja | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.325049 | -45.803121 |
| C, dos Estromatólitos | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.338117 | -45.810441 |
| C, da Água Funda | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.328439 | -45.810687 |
| C, do Militão | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.331125 | -45.811994 |
| C, dos Canudos | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.374033 | -45.603091 |
| C, da Simone do Davi | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.321717 | -45.800767 |
| C, do Capão | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.382696 | -45.554914 |
| C, do Sobradinho | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.386384 | -45.557294 |
| C, nº 10 | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.382696 | -45.554914 |
| C, Massambará | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.335393 | -45.807495 |
| C, da Sanguera | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.387455 | -45.668911 |
| C, SL11 | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.322200 | -45.691715 |
| C, das Aranhas | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.373796 | -45.603818 |
| C, C16 | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.315195 | -45.661895 |
| C, da Dona Rita | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.366414 | -45.574009 |
| C, da Mangangá | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.378039 | -45.597060 |
| C, do Alto Boqueirão | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.350954 | -45.570562 |
| C, G7 | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.387649 | -45.677297 |
| C, Marinheiros | 1999-2009 | Cave | record | Bioespeleology Studies (Zampaulo 2010) | -20.400425 | -45.812731 |
| Lapa Vereda da Palha | IX/2013-IX/2014 | Cave | record | Bioespeleology Studies (Zepon & Bichuette 2017) | -18,255214 | -46,126008 |
| Lapa da Fazenda São Bernardo | IX/2013-IX/2014 | Cave | record | Bioespeleology Studies (Zepon & Bichuette 2017) | -18,276897 | -46,112644 |
| Lapa Zé de Sidinei | IX/2013-IX/2014 | Cave | record | Bioespeleology Studies (Zepon & Bichuette 2017) | -18,301561 | -46,120528 |
| Lapa Arco da Lapa | IX/2013-IX/2014 | Cave | record | Bioespeleology Studies (Zepon & Bichuette 2017) | -18,208694 | -46,148139 |
| Lapa do Moacir | IX/2013-IX/2014 | Cave | record | Bioespeleology Studies (Zepon & Bichuette 2017) | -18,186019 | -46,159581 |
| Fragmento de Mata | 2010 | Epigean | record | Coleção de Orthoptera UFV | -20,814639 | -42,865556 |
| Remark in Rio Claro | 7/XII/1998 | Epigean | approximate record | Expert Observation (Mello & Pellegatti-Franco 1998) | -22,339726 | -47,567206 |
| Tunel de Trem | XII/2017-I/2018 | Artificial Cave | record | Expert Observation (Acosta et al. 2020) | -31,475556 | -52,569167 |
| Norte do Distrito de São Francisco Xavier | I/2005-III/2006 | Epigean | approximate record | Expert Observation (Bolfarini 2007) | -22,892836 | -45,961661 |
| Remark in Anhembi | 7/XII/1998 | Epigean | approximate record | Expert Observation (Mello & Pellegatti-Franco 1998) | -22,798529 | -48,123368 |
| Remark in Botucatu | 7/XII/1998 | Epigean | approximate record | Expert Observation (Mello & Pellegatti-Franco 1998) | -22,837268 | -48,425685 |
| Remark in Prq. Itatiaia | 7/XII/1998 | Epigean | approximate record | expert observation (Mello & Pellegatti-Franco 1998) | -22,370286 | -44,604529 |
| Remark in Tapiraí | 7/XII/1998 | Epigean | approximate record | Expert Observation (Mello & Pellegatti-Franco 1998) | -23,974112 | -47,501335 |
| Cerrado | 10/V/1996 | Epigean | record | Expert Observation (Zefa 2000) | -22,225236 | -47,626873 |
| C, Ouro Grosso | 3-6/X/1997 | Cave | record | Expert Observation (Zefa 2000) | -24,542200 | -48,6769 |
| C, Alambari de Cima | 3-6/X/1997 | Cave | record | Expert Observation (Zefa 2000) | -24,555152 | -48,664816 |
| C, Aguas Quentes | 3-6/X/1997 | Cave | record | Expert Observation (Zefa 2000) | -24,583333 | -48,683007 |
| C, da Lage Branca | 3-6/X/1997 | Cave | record | Expert Observation (Zefa 2000) | -24,549167 | -48,720833 |
| C, de Santana | 3-6/X/1997 | Cave | record | Expert Observation (Zefa 2000) | -24,530833 | -48,701667 |
| C, Morro do Couto | 3-6/X/1997 | Cave | record | Expert Observation (Zefa 2000) | -24,520556 | -48,695278 |
| Bird Paradise | 20/XI/1999 | Epigean | record | Expert Observation (Zefa 2000) | -23,049305 | -46,884073 |
| C, do Sítio da Toca | 24/IX/1997 | Cave | approximate record | Expert Observation (Zefa 2000) | -22,219505 | -47,740641 |
| C, Tuneis | 19-22/X/1998 | Cave | record | Expert Observation (Zefa 2000) | -19,561132 | -43,960394 |
| ESALQ (Floresta Semidecidual) | 03/XI/1999 | Epigean | record | Expert Observation (Zefa 2000) | -22,714795 | -47,626508 |
| C, Olho de Cabra | 02/II/2006 | Cave | record | ISLA Collection | -21,124069 | -47,413538 |
| C, do Paraná | 01/III/2006 | Cave | record | ISLA Collection | -21,052491 | -47,418427 |
| C, Roncador | 06/I/2007 | Cave | record | ISLA Collection | -5,597742 | -37,827942 |
| S2 CRH 053 | 28/III/2018 | Cave | record | ISLA Collection | -20.323433 | -45.581246 |
| S2 CRH 076 | 28/III/2018 | Cave | record | ISLA Collection | -20.321919 | -45.580033 |
| S1 CRH 089 | 28/III/2018 | Cave | record | ISLA Collection | -20.326351 | -45.578824 |
| S2 CRH 173 | 28/III/2018 | Cave | record | ISLA Collection | -20.340871 | -45.570907 |
| S1 CRH 041 | 28/III/2018 | Cave | record | ISLA Collection | -20.322772 | -45.584357 |
| S1 CRH 156 | 28/III/2018 | Cave | record | ISLA Collection | -20.318492 | -45.583680 |
| C, Senhor do Bom Fim | 03/IV/2017 | Cave | record | ISLA Collection | -18,194022 | -41,292654 |
| Veio Porto | 09/I/2009 | Artificial Cave | record | ISLA Collection | -18,044823 | -41,101963 |
| C, do João Matias | 10/VII/2003 | Cave | record | ISLA Collection | -18,129753 | -40,98006 |
| C, dos Moura | 01/V/2017 | Cave | record | ISLA Collection | -12,582004 | -46,516696 |
| C, 0005 | 01/X/2012 | Cave | record | ISLA Collection | -19.870355 | -43.404133 |
| C, Brucutu | 16/IV/2013 | Cave | record | ISLA Collection | -19,85152 | -43,392233 |
| RF 0105 | 19/V/2015 | Cave | record | ISLA Collection | -19,915451 | -43,485484 |
| RF 0138 | 26/IX/2014 | Cave | record | ISLA Collection | -19,932136 | -43,523862 |
| C, Furna Feia | 25/IV/2007 | Cave | record | ISLA Collection | -5,036878 | -37,560178 |
| C, Furna Nova | 12/VI/2008 | Cave | record | ISLA Collection | -5,034225 | -37,571122 |
| C, Mina do Seu Jesus | 19/IX/2004 | Cave | record | ISLA Collection | -20,745041 | -56,767192 |
| C, Lago Azul | 19/IX/2004 | Cave | record | ISLA Collection | -21,011896 | -56,696056 |
| SERR 08 | 19/X/2017 | Cave | record | ISLA Collection | -20,180324 | -43,979135 |
| C, Mamoneiras | 20/IV/2014 | Cave | record | ISLA Collection | -16,400322 | -44,493255 |
| C, da Fenda I | 30/I/2004 | Cave | record | ISLA Collection | -15,523547 | -48,170729 |
| Complexo Sal/Fenda II | 20/XII/2002 | Cave | record | ISLA Collection | -15,512311 | -48,167367 |
| Labirinto da Lama | 01/IV/2004 | Cave | record | ISLA Collection | -15,510653 | -48,124314 |
| AVG TUTA 14 | 26/XI/2014 | Cave | record | ISLA Collection | -20,126665 | -43,974835 |
| Moeda 0001 | 20/XI/2015 | Cave | record | ISLA Collection | -20,090661 | -43,990993 |
| SERR 09 | 19/X/2018 | Cave | record | ISLA Collection | -20,185517 | -43,974106 |
| SERR 14 | 19/X/2016 | Cave | record | ISLA Collection | -20,182583 | -43,971513 |
| Lapa da Lagoa | 29/III/2015 | Cave | record | ISLA Collection | -17,93817 | -44,130059 |
| Mina dos Matarelli | 18/VII/2009 | Artificial Cave | record | ISLA Collection | -19,94719 | -43,74017 |
| C, das Furnas | 12/XI/2005 | Cave | record | ISLA Collection | -21,566188 | -41,952460 |
| HOLC 0156 | 22/VIII/2015 | Cave | record | ISLA Collection | -19,569064 | -44,014234 |
| C, 52a | 24/III/2012 | Cave | record | ISLA Collection | -20,843161 | -45,364955 |
| C, do Morrinho | 12/VII/2008 | Cave | record | ISLA Collection | -10,209369 | -40,918481 |
| C, Angico | 09/I/2008 | Cave | record | ISLA Collection | -10,400689 | -40,504443 |
| C, Calor de Cima | 10/VII/2008 | Cave | record | ISLA Collection | -10,140670 | -40,848686 |
| C, Pitú | 10/VII/2008 | Cave | record | ISLA Collection | -10,128897 | -40,837961 |
| Pedra Santa | 13/VII/2005 | Cave | record | ISLA Collection | -21,987162 | -42,253628 |
| C, Cortinas | 20/XI/2004 | Cave | record | ISLA Collection | -21,511032 | -44,607642 |
| C, da Zilda | 21/I/2017 | Cave | record | ISLA Collection | -21,552966 | -44,635911 |
| C, do Caracol | 26/I/2002 | Cave | record | ISLA Collection | -21,550528 | -44,634539 |
| MAS 115 | 18/II/2016 | Cave | record | ISLA Collection | -20,165200 | -43,405500 |
| MAS 117 | 18/II/2016 | Cave | record | ISLA Collection | -20.165400 | -43.405500 |
| FZ 12 | 16/II/2016 | Cave | record | ISLA Collection | -20.138500 | -43.390900 |
| CPC 12 | 26/VIII/2016 | Cave | record | ISLA Collection | -20.146100 | -43.345100 |
| CPC 11 | 19/III/2016 | Cave | record | ISLA Collection | -20.145400 | -43.345500 |
| CPC 07 | 31/VIII/2016 | Cave | record | ISLA Collection | -20.142600 | -43.347700 |
| C, Aroe Jari | 24/X/2006 | Cave | record | ISLA Collection | -15,614000 | -55,499138 |
| C, Ecos | 05/IX/2003 | Cave | record | ISLA Collection | -15.690148 | -48.406631 |
| CCS 112 | 20-29/XI/2018 | Cave | record | ISLA Collection | -18,937519 | -43,414394 |
| CSS 102 | 20-29/XI/2018 | Cave | record | ISLA Collection | -18,940849 | -43,406605 |
| CSS 0006 | 05/V/2018 | Cave | record | ISLA Collection | -18.917463 | -43.428396 |
| CAI 0003 | 27/IV/2018 | Cave | record | ISLA Collection | -18.883884 | -43.431054 |
| CSS 0070 | 27/IV/2018 | Cave | record | ISLA Collection | -18.946002 | -43.407980 |
| SERP 0201 | 11/XII/2013 | Cave | record | ISLA Collection | -19,167922 | -43,273610 |
| SERP 0079 | 19/XI/2013 | Cave | record | ISLA Collection | -19,004081 | -43,398861 |
| C, do Retiro | 07/VI/2018 | Cave | record | ISLA Collection | -19,663778 | -43,95217 |
| Lapa da Cigana | 20/IV/2014 | Cave | record | ISLA Collection | -16,471129 | -44,369996 |
| Lapa do Zézé | 25/IX/2013 | Cave | record | ISLA Collection | -16,873080 | -44,418455 |
| Lapa do Espigão I | 28/I/2015 | Cave | record | ISLA Collection | -16,466653 | -44,348604 |
| Lapa da Maria Cobra | 29/I/2015 | Cave | record | ISLA Collection | -16,752209 | -44,395385 |
| C, do Espigão II | 28/I/2015 | Cave | record | ISLA Collection | -16,467581 | -44,347542 |
| C, Tobogã | 11/XI/2010 | Cave | record | ISLA Collection | -19,197744 | -44,332784 |
| C, da Lagoa da Pedra | 10/XI/2010 | Cave | record | ISLA Collection | -19,081591 | -44,358186 |
| C, Tião Lucas | 14/XI/2010 | Cave | record | ISLA Collection | -19,171889 | -44,313071 |
| C, do Meio | 12/XI/2010 | Cave | record | ISLA Collection | -19,172019 | -44,311387 |
| C, Morena | 16/XII/2009 | Cave | record | ISLA Collection | -19,168830 | -44,338914 |
| C, Jabuti | 19/VI/2004 | Cave | record | ISLA Collection | -15,565556 | -57,988056 |
| Lapa do Saco Comprido | 17/I/2015 | Cave | record | ISLA Collection | -18,667236 | -44,409988 |
| C, Antonina II | 17/I/2015 | Cave | record | ISLA Collection | -18,705144 | -44,403056 |
| C, Antonina I | 17/I/2015 | Cave | record | ISLA Collection | -18,706448 | -44,402519 |
| C, do Salitre | 10/I/2018 | Cave | record | ISLA Collection | -18,279563 | -43,535995 |
| PEA 0410 | 16/III/2012 | Cave | record | ISLA Collection | -18,367358 | -43,962601 |
| Buraco dos Curiós | I-VIII/2009 | Cave | record | ISLA Collection | -20,305401 | -45,905873 |
| C, da Água Funda | 06/V/2015 | Cave | record | ISLA Collection | -20,328439 | -45,810687 |
| C, do Peixe | I-VIII/2009 | Cave | record | ISLA Collection | -20,286262 | -45,794494 |
| C, do Helinho I | 02/VII/2009 | Cave | record | ISLA Collection | -20,309647 | -45,846487 |
| C, do Barreado II | 20/I/2009 | Cave | record | ISLA Collection | -20,345695 | -45,858342 |
| C, dos Milagres | 19/I/2009 | Cave | record | ISLA Collection | -20,343400 | -45,863800 |
| C, Ninfeta de Baixo | 25/I/2009 | Cave | record | ISLA Collection | -20,337830 | -45,614839 |
| C, 55 | 09-24/I/2019 | Cave | record | ISLA Collection | -20,345160 | -45,849459 |
| C, Descoberta | 09/VII/2005 | Cave | record | ISLA Collection | -5,563636 | -37,66576 |
| C, Carrapateira | 09/VII/2015 | Cave | record | ISLA Collection | -5,560617 | -37,663978 |
| C, Abissal | 25/IV/2007, | Cave | record | ISLA Collection | -5,564183 | -37,665914 |
| C, Arapuá | 03/VIII/2010 | Cave | record | ISLA Collection | -5,530069 | -37,616242 |
| C, Crotes | 04/VI/2010 | Cave | record | ISLA Collection | -5,560769 | -37,658761 |
| C, Catedral | 14/IX/2008 | Cave | record | ISLA Collection | -5,564025 | -37,665936 |
| C, Pau | 08/I/2007 | Cave | record | ISLA Collection | -5,592861 | -37,687433 |
| C, da Rainha | 25/IV/2007 | Cave | record | ISLA Collection | -5,578233 | -37,643233 |
| C, Trapiá | 04/VIII/2010 | Cave | record | ISLA Collection | -5,562619 | -37,621089 |
| C, Boniteza | 02/II/2009 | Cave | record | ISLA Collection | -5,514172 | -37,555983 |
| C, Maribondo Caboclo | 20/VII/2010 | Cave | record | ISLA Collection | -5,495586 | -37,545067 |
| C, São Jose II | 21/I/2015 | Cave | record | ISLA Collection | -15,725786 | -44,206214 |
| Lapa do Baianinho | 20/I/2015 | Cave | record | ISLA Collection | -15,76560 | -44,23410 |
| C, da Serraria | 22/IV/2006 | Cave | record | ISLA Collection | -23,812947 | -45,239020 |
| C, do Fazendão | 11/XI/2014 | Cave | record | ISLA Collection | -22,410278 | -47,792972 |
| Capa\_03 | 10/VII/2003 | Cave | record | ISLA Collection | -20,169479 | -43,624591 |
| MP008 | 18/X/2011 | Cave | record | ISLA Collection | -20,211044 | -43,853541 |
| MP 0003 | 18/X/2011 | Cave | record | ISLA Collection | -20,230545 | -43,85826 |
| MP010 | 18/X/2011 | Cave | record | ISLA Collection | -20,266063 | -43,887816 |
| Mina da Cata Branca | 21/I/2000 | Cave | record | ISLA Collection | -20,213442 | -43,841114 |
| C, MP 0009 | 08/II/2017 | Cave | record | ISLA Collection | -20,210596 | -43,853775 |
| C, MP 0012 | 01/II/2017 | Cave | record | ISLA Collection | -20,224404 | -43,861063 |
| MP 0017 | 26/III/2012 | Cave | record | ISLA Collection | -20,218339 | -43,857229 |
| MP 0004 | 18/X/2011 | Cave | record | ISLA Collection | -20,223233 | -43,853994 |
| C, Olhos d' agua | 23-14/X/2013 | Cave | record | ISLA Collection | -15,113615 | -44,169447 |
| Baixadas das Crioulas I | 23-24/IX/2015 | Cave | record | ISLA Collection | -19,404122 | -43,353767 |
| Sumidouro das Vacas | 10/VI/2016 | Cave | record | ISLA Collection | -14,499784 | -43,669371 |
| Toca do Baixão | 09/IX/2016 | Cave | record | ISLA Collection | -14,435169 | -43,623675 |
| C, Tavá | 15/X/2010 | Cave | record | ISLA Collection | -17,811744 | -46,232914 |
| C, do Bicho que Foi | 03/V/2003 | Cave | record | ISLA Collection | -20,076595 | -45,578378 |
| C, do Sumidouro | 12/X/2011 | Cave | record | ISLA Collection | -19,542311 | -43,941396 |
| C, da Lapinha | 07/VII/2011 | Cave | record | ISLA Collection | -19,561595 | -43,959199 |
| AB 05 | 25/VII/2017 | Cave | record | ISLA Collection | -19,699674 | -43,899875 |
| C, do Engenho Velho | 19/II/2015 | Cave | record | ISLA Collection | -17,947182 | -44,639623 |
| C, Fenda do Urubu | 13/IV/2017 | Cave | record | ISLA Collection | -12,749014 | -46,497054 |
| Matinha do Tobogã | 06/I/2017 | Epigean | record | ISLA Collection | -21,220877 | -44,963984 |
| C, Manequinho | 11/VIII/2014 | Cave | record | ISLA Collection | -21,719923 | -43,903194 |
| C, das Casas | 02/IV/2005 | Cave | record | ISLA Collection | -21,700479 | -43,883749 |
| C, do Apartamento | 27/I/2015 | Cave | record | ISLA Collection | -15,894507 | -44,323164 |
| C, Lapa Sem Fim | 12/IV/2017 | Cave | record | ISLA Collection | -16,148575 | -44,627803 |
| Toca do Lobo | 17/XII/2017 | Cave | record | ISLA Collection | -21,543162 | -44,80835 |
| SPB 50 Setor 3 | 24/III/2012 | Cave | record | ISLA Collection | -20,345071 | -43,448591 |
| Mina dos Canela VII | 11/VI/2009 | Artificial Cave | record | ISLA Collection | -20,54384 | -43,81015 |
| SPB 65 | 09/V/2011 | Cave | record | ISLA Collection | -20,345286 | -43,448455 |
| CPC 0027 | 27/VI/2018 | Cave | record | ISLA Collection | -20,172800 | -43,409600 |
| ALEA 0004 | 09/VI/2017 | Cave | record | ISLA Collection | -20,150000 | -43,486600 |
| ALEA 0001 | 09/VI/2017 | Cave | record | ISLA Collection | -20,150100 | -43,484600 |
| SPC 30 | 11/V/2011 | Cave | record | ISLA Collection | -20,349505 | -43,447398 |
| SPA 74 | 12/VI/2011 | Cave | record | ISLA Collection | -20.344029 | -43.451341 |
| C, Mina da Canela | 01-02/V/2009 | Artificial Cave | record | ISLA Collection | -20,35245 | -43,43990 |
| SPA 62 | 20/III/12 | Artificial Cave | record | ISLA Collection | -20,350202 | -43,445494 |
| Mina do Calçamento | 04/IV/2008 | Artificial Cave | record | ISLA Collection | -19,966863 | -44,429113 |
| C, das Escadas | 07/I/2018 | Cave | record | ISLA Collection | -19,516497 | -44,06821 |
| ICMAT 0110 | 27/XII/2017 | Cave | record | ISLA Collection | -19,509553 | -44,117715 |
| CRH MTZ (C, do Vento) | 12/I/2018 | Cave | record | ISLA Collection | -19,533652 | -44,068870 |
| CRH MTZ LF 92 | 10/I/2018 | Cave | record | ISLA Collection | -19,531198 | -44,060869 |
| CRH MTZ LF 190 | 18/I/2018 | Cave | record | ISLA Collection | -19,543798 | -44,065028 |
| CRH MTZ LF 22 | 14/IX/2017 | Cave | record | ISLA Collection | -19,524455 | -44,076204 |
| ICMAT 0107 | 18/XII/2017 | Cave | record | ISLA Collection | -19,511291 | -44,112854 |
| ICMAT 0109 | 18/XII/2017 | Cave | record | ISLA Collection | -19,511321 | -44,113426 |
| Mina do Bloco III | 14/VII/09 | Artificial Cave | record | ISLA Collection | -16,21460 | -41,46815 |
| Mina da Fazenda Do Sou Vin | 15/VII/2009 | Artificial Cave | record | ISLA Collection | -16,34362 | -41,45138 |
| Mina da Fazenda do Sol III/IV | 15/VII/2009 | Artificial Cave | record | ISLA Collection | -16,344126 | -41,451744 |
| Toca do Geraldo | 02/V/2017 | Cave | record | ISLA Collection | -18,278727 | -44,102996 |
| Lapa do Marcelo | 15/IV/2017 | Cave | record | ISLA Collection | -18,276726 | -44,102193 |
| Igreja Nossa Senhora do Perpetuo Socorro | I-VIII/2009 | Cave | record | ISLA Collection | -14,428985 | -44,38300 |
| Lapa d'água | 31/III/2015 | Cave | record | ISLA Collection | -16,707038 | -43,920924 |
| Lapa Encantada | 07/VI/2015 | Cave | record | ISLA Collection | -16,331289 | -43,994569 |
| Lapa da Claudina | 03/IV/2015 | Cave | record | ISLA Collection | -16,679251 | -43,994084 |
| Lapa dos Cristais | 09/V/2015 | Cave | record | ISLA Collection | -16,704291 | -43,940288 |
| C, do Cedro | 02/V/2017 | Cave | record | ISLA Collection | -16,91720 | -44,08370 |
| Lapa Grande | 02/IV/2015 | Cave | record | ISLA Collection | -16,706672 | -43,942910 |
| Lapa da Santa | 08/VI/2015 | Cave | record | ISLA Collection | -16,681556 | -43,992281 |
| Boqueirão da Nascente | 30/III/2015 | Cave | record | ISLA Collection | -16,712649 | -43,941677 |
| SPT 0316 | 01/IX/2018 | Cave | record | ISLA Collection | -19,221419 | -43,390223 |
| C, Trinta | 10/VI/2010 | Cave | record | ISLA Collection | -5,212322 | -37,264153 |
| C, CPX\_03 | 22/VII/2015 | Cave | record | ISLA Collection | -19,967987 | -43,864206 |
| Galeria 01 | 11/V/2015 | Cave | record | ISLA Collection | -19,967687 | -43,864007 |
| Galeria 02 | 19/X/2015 | Cave | record | ISLA Collection | -20,129109 | -43,928518 |
| MJ 0012 | 14/X/2015 | Cave | record | ISLA Collection | -19,976501 | -43,900557 |
| C, Cabeceira d'agua | 08/VIII/2015 | Cave | record | ISLA Collection | -13,881544 | -46,928975 |
| Mina do Chico Rei | 27/XI/2009 | Artificial Cave | record | ISLA Collection | -20,38608 | -43,49930 |
| Mina de Vila Rica | 28/XI/2009 | Artificial Cave | record | ISLA Collection | -20,38757 | -43,49346 |
| Toca dos Ossos | 02/I/2008 | Cave | record | ISLA Collection | -10,930783 | -41,057631 |
| Tunel do Domingos Pastel IV | 19/VII/2008 | Artificial Cave | record | ISLA Collection | -17,039069 | -41,443539 |
| C, Mastodonte | 06/VIII/2018 | Cave | record | ISLA Collection | -20,426232 | -45,631437 |
| C, do Vicente Amargoso | 26/VI/2009 | Cave | record | ISLA Collection | -20,388247 | -45,626088 |
| C, das Cerâmicas | 03/IV/2009 | Cave | record | ISLA Collection | -20,404295 | -45,597544 |
| Loca D' Água | 10/XII/2016 | Cave | record | ISLA Collection | -20,423623 | -45,692810 |
| C, do Dimas II | 26/I/2009 | Cave | record | ISLA Collection | -20,466384 | -45,661524 |
| C, do Cornélio I | 28/I/2009 | Cave | record | ISLA Collection | -20,302281 | -45,669378 |
| C, do Éden | 06/X/2018 | Cave | record | ISLA Collection | -20,384788 | -45,667127 |
| C, da Manada I | 26/III/2009 | Cave | record | ISLA Collection | -20,372400 | -45,673944 |
| C, do Capoeirão | 22/I/2009 | Cave | record | ISLA Collection | -20,340395 | -45,782537 |
| C, Paranoá | 27/I/2009 | Cave | record | ISLA Collection | -20,365064 | -45,669016 |
| C, Zizinho Beraldo | 21/I/2009 | Cave | record | ISLA Collection | -20,356303 | -45,834085 |
| C, do Tio Rafa II | 24/I/2009 | Cave | record | ISLA Collection | -20,413178 | -45,664690 |
| C, do Físico | 01/IV/2009 | Cave | record | ISLA Collection | -20,401034 | -45,669343 |
| C, da Torre | 03/II/2017 | Cave | record | ISLA Collection | -20,423846 | -45,601013 |
| C, do Coelho | 04/I/2017 | Cave | record | ISLA Collection | -20,414527 | -45,684967 |
| C, Tabocas III | 03/III/2017 | Cave | record | ISLA Collection | -20,326751 | -45,690270 |
| C, São Lourenço I | 20/IV2018 | Cave | record | ISLA Collection | -20,326222 | -45,691494 |
| C, Passagem do Coqueiro | 01/IX/2015 | Cave | record | ISLA Collection | -20.394725 | -45.664255 |
| C, do Brega | 20/I/2018 | Cave | record | ISLA Collection | -20,418125 | -45,772408 |
| C, Ioiô | 31/XII/2007 | Cave | record | ISLA Collection | -12,393722 | -41,553741 |
| C, da Entrada Baixa | 30/IX/2015 | Cave | record | ISLA Collection | -19,597711 | -43,985360 |
| HOLC 0060 | 04-20/III/2015 | Cave | record | ISLA Collection | -19,570695 | -44,013442 |
| HOLC 0023 | 04-20/III/2015 | Cave | record | ISLA Collection | -19,576768 | -44,020241 |
| HOLC 0036 | 04-20/III/2015 | Cave | record | ISLA Collection | -19,579757 | -44,018268 |
| HOLC 0075 | 04-20/III/2015 | Cave | record | ISLA Collection | -19,570716 | -44,012241 |
| C, Mocororô | 18/IV/2017 | Cave | record | ISLA Collection | -16,009917 | -42,703642 |
| C, 44 | 05/vii/2018 | Cave | record | ISLA Collection | -20,348069 | -45,851362 |
| C, 25 | 14/i/2019 | Cave | record | ISLA Collection | -20,345604 | -45,854787 |
| C, 01 | 09-24/I/2019 | Cave | record | ISLA Collection | -20,343869 | -45,864080 |
| Sumidouro Córrego das Fendas | 14/VII/2012 | Cave | record | ISLA Collection | -25.157940 | -49.957343 |
| Lapa d'água | 31/I/2015 | Cave | record | ISLA Collection | -18,563372 | -44,128192 |
| Abismo 03 | 10/XI/2017 | Cave | record | ISLA Collection | -19,512646 | -44,120156 |
| ICMAT 140 | 06/VII/2017 | Cave | record | ISLA Collection | -19,522355 | -44,115358 |
| RT 19 | 30/X/2017 | Cave | record | ISLA Collection | -19,506643 | -44,117530 |
| ICMAT 0105 | 06/XII/2017 | Cave | record | ISLA Collection | -19,521957 | -44,115293 |
| Abismo 17 | 29/XI/2017 | Cave | record | ISLA Collection | -19,510992 | -44,114533 |
| ICMAT 0053 | 13/IX/2018 | Cave | record | ISLA Collection | -19,510899 | -44,119508 |
| C, dos Palhares | 26/II/2006 | Cave | record | ISLA Collection | -19.931673 | -47.466636 |
| Gand\_0073 | 18/V/2017 | Cave | record | ISLA Collection | -20,040057 | -43,658474 |
| Sete Salões | 02/IV/2000 | Cave | record | ISLA Collection | -19,289307 | -41,359211 |
| C, do André Huscki | 04/II/2005 | Cave | record | ISLA Collection | -19,937500 | -40,562500 |
| C, da Viola | 17/IV/2017 | Cave | record | ISLA Collection | -19,295742 | -43,616758 |
| C, Passa Três | 07/IV/2000 | Cave | record | ISLA Collection | -13,612943 | -46,36847 |
| PEA 378 | V/2011 | Cave | record | ISLA Collection | -13,418315 | -44,199046 |
| C, Mãe Diná | 22/01/2015 | Cave | record | ISLA Collection | -15,806633 | -44,001919 |
| Mina do Chiá Donizete | 13/VII/2009 | Artificial Cave | record | ISLA Collection | -18,29455 | -42,18781 |
| Mina do Milto | 11/VII/2009 | Artificial Cave | approximate record | ISLA Collection | -18,296970 | -42,181210 |
| C, Rei do Mato | 03-04/XI/2011 | Cave | record | ISLA Collection | -19,495690 | -44,282510 |
| C, da Taboa | 16/I/2000 | Cave | record | ISLA Collection | -19,474911 | -44,328141 |
| Furna do Posto I | 20/V/2008 | Cave | record | ISLA Collection | -29,122429 | -49,650208 |
| Lapa do Nilsinho | 19/IV/2014 | Cave | record | ISLA Collection | -16,214083 | -44,706553 |
| Sumidouro do Zezinho de Dionila | 19/IV/2014 | Cave | record | ISLA Collection | -16,215654 | -44,707148 |
| C, do Morcego Branco | 03/I/2007 | Cave | record | ISLA Collection | -3,802738 | -40,878886 |
| C, Ubajara | 03/I/2007 | Cave | record | ISLA Collection | -3,831611 | -40,898599 |
| C, da Encosta | 09/III/2011 | Cave | record | ISLA Collection | -16,213800 | -47,288702 |
| C, da Cachoeira do Queimado | 06/III/2011 | Cave | record | ISLA Collection | -16,217004 | -47,323905 |
| C, Deus me Livre | 11/VIII/2011 | Cave | record | ISLA Collection | -16,425699 | -47,060930 |
| C, do Rio Preto | 08/III/2011 | Cave | record | ISLA Collection | -16,216208 | -47,252001 |
| C, da Porteira | 19/I/2015 | Cave | record | ISLA Collection | -15,623438 | -43,976243 |
| C, da Madeira | 19/I/2015 | Cave | record | ISLA Collection | -15,62166 | -43,965252 |
| C, Zé Avelino | 23/I/2015 | Cave | record | ISLA Collection | -15,607221 | -44,054907 |
| Lapa do Indio | 19/I/2015 | Cave | record | ISLA Collection | -15,6228 | -43,9656 |
| Lapa Nova I | 07/IV/2009 | Cave | record | ISLA Collection | -17,983206 | -46,891002 |
| Lapa da Mata Velha | 12/I/2011 | Cave | record | ISLA Collection | -18,012688 | -46,892714 |
| Lapa Sem Fim | 12/IV/2017 | Cave | record | ISLA Collection \*troglobitic species | -16,148575 | -44,627803 |
| C, Águas Claras | 15/X/2017 | Cave | record | ISLA Collection \*troglobitic species | -13,800787 | -43,951323 |
| C, do Nestor | 25/I/2015 | Cave | record | ISLA Collection \*troglobitic species | -15,012456 | -44,12189 |
| C, da Água do João Ferreira | 25/I/2015 | Cave | record | ISLA Collection \*troglobitic species | -15,009719 | -44,132069 |
| Lapa d'água do Zezé | 25/I/2015 | Cave | record | ISLA Collection \*troglobitic species | -15,006745 | -44,117087 |
| C, Boqueirão da Anta | XII/2019 | Cave | record | ISLA Collection \*troglobitic species | -14.997222 | -44.152778 |
| Lapa do Cipó | 26/I/2015 | Cave | record | ISLA Collection \*troglobitic species | -15,056174 | -44,184377 |
| C, da Mangabeira | 08/VIII/2013 | Cave | record | ISLA Collection \*troglobitic species | -13,839481 | -41,315478 |
| Lapa do Caboclo | 13/12/2014 | Cave | record | ISLA Collection \*troglobitic species | -15,089500 | -44,268000 |
| Lapa Bonita | 11/XII/2014 | Cave | record | ISLA Collection \*troglobitic species | -15,107600 | -44,240900 |
| C, do Padre | 18/VII/2019 | Cave | record | ISLA Collection \*troglobitic species | -13,216325 | -44,065194 |
| Frangmento Mata Atlântica | I/2010 | Epigean | record | Orthoptera Ecological Studies (Szinwelski et al. 2015) | -25,626389 | -54,452500 |
| Fragmento Mata Atlântica | X/2008 | Epigean | record | Orthoptera Ecological Studies (Szinwelski et al. 2015) | -25,533333 | -54,583333 |
| MJ 0002 | 29/VIII/ 2017 | Cave | record | Photography (Brandi 2017) | -20.096025 | -44.098962 |
| MJ 0003 | 29/VIII/ 2017 | Cave | record | Photography (Brandi 2017) | -20.096034 | -44.099010 |
| Quintal de uma Residência | 2018 | Epigean | approximate record | Photography (Cardoso R.C.) | -21,058965 | -44,077881 |
| GS 28 | 2018 | Cave | record | Photography (CARSTE 2018) | -20,205826 | -43,499939 |
| Capão Grande | VII/2016 | Cave | record | Photography (Ferreira, R.L.) | -17,511972 | -44,423681 |
| Areias de Baixo | VII/2012 | Cave | record | Photography (Ferreira, R.L.) | -24,583795 | -48,700457 |
| C, Paulista | I/2011 | Cave | record | Photography (Ferreira, R.L.) | -16,419621 | -47,069868 |
| C, Archimides Panssini | IX/2005 | Cave | record | Photography (Ferreira, R.L.) | -20,687580 | -41,062510 |
| C, dos Pianos | IX/2017 | Cave | record | Photography (GPME 2017) | -24,232099 | -48,492178 |
| CM 02 | 2015 | Cave | record | Photography (ICAMBIENTAL 2015) | -16,263218 | -42,725672 |
| CM 26 | 2015 | Cave | record | Photography (ICAMBIENTAL 2015) | -16,276194 | -42,720930 |
| Inaturalist | XI/2019 | Epigean | record | Photography (Inaturalist) | -22.181286 | -47.724159 |
| Inaturalist | 24/II/2020 | Epigean | record | Photography (Inaturalist) | -32.095030 | -64.459904 |
| Inaturalist | IX/2014 | Epigean | record | Photography (Inaturalist) | -11.496111 | -41.273056 |
| Inaturalist | 23/II/2020 | Epigean | record | Photography (Inaturalist) | -23.704769 | -46.383252 |
| Inaturalist | 29/I/2020 | Epigean | record | Photography (Inaturalist) | -28.929094 | -51.553837 |
| C, Alambari de Baixo | 2012 | Cave | record | Photography (Petar 2012) | -24,557167 | -48,664444 |
| C, D. Benedita | 15-20/IX/2004 | Cave | record | Photography (Silva 2005) | -20.566764 | -56.722497 |
| C, do Córrego Salobra | 15-20/IX/2004 | Cave | record | Photography (Silva 2005) | -20.761766 | -56.750982 |
| C, 0013 | 2014 | Cave | record | Photography(CARSTE 2014) | -19,118602 | -43,434023 |
| Remark in a cave Quartizitica | 18/XII/2013 | Cave | approximate record | Phtography (Souza-Silva, M.) | -17.097154 | -65.487436 |
| Arredores da C, Olhos d' Água | 05/VI/2014 | Epigean | record | Taxonomic Literature (Bolfarini & Bichuette 2015) | -15,113615 | -44,169447 |
| C, Olhos d'água | 23-24/X/2013 | Cave | record | Taxonomic Literature (Bolfarini & Bichuette 2015) \*troglobitic species | -15,113624 | -44,169447 |
| Type E, ferruginosis | 3/IV/1913 | ? | approximate record | Taxonomic Literature (Bruner 1916) | -17,357200 | -63,390600 |
| Cuevas de *Ctenomys* | 5/IV/1963 | Epigean | approximate record | Taxonomic Literature (Liebermann 1965) | -35,077900 | -57,511092 |
| C, del Palacio | 1997 | Cave | approximate record | Taxonomic Literature (Mesa & García-Novo 1997) | -33,276100 | -57,133300 |
| C, Arequita Hill | 1997 | Cave | approximate record | Taxonomic Literature (Mesa & García-Novo 1997) | -34,287091 | -55,268067 |
| Remannescentes de Mata Atlantica | 1993-2004 | Epigean | approximate record | Taxonomic Literature (Mews & Sperber 2008) | -20,795368 | -42,881776 |
| Type *E, lizeri* | Rehn 1918 | Epigean | approximate record | Taxonomic Literature (Rehn 1918) | -32,309502 | -65,151293 |
| Type *E, itatibensis* | 7/XII/1998 | Epigean | approximate record | Taxonomic Literature (Rehn 1918) | -22,998915 | -46,82213 |
| Epigean observation | Rehn 1918 | Epigean | approximate record | Taxonomic Literature (Rehn 1918) | -31,100053 | -64,483214 |
| C, 3 | 27/III/2014 | Cave | record | Taxonomic Literature (Souza-Dias et al. 2014) \*troglobitic species | -13,824722 | -41,345833 |
| Type II E,naipi | 10/X/2012 | Epigean | record | Taxonomic Literature (Souza-Dias et al. 2017) | -25,155556 | -53,842778 |
| West of Santa Catarina | 28/XII/2010 | Epigean | record | Taxonomic Literature (Souza-Dias et al. 2017) | -27,260556 | -51,976944 |
| Type I E,naipi | 03/XII/2010 | Epigean | record | Taxonomic Literature (Souza-Dias et al. 2017) | -25,618333 | -54,482222 |
| C, Dente de Cão | 17/VIII/2012 | Cave | record | Taxonomic Literature (Suemitsu et al. 2019) \*troglobitic species | -20,746700 | -56,784500 |
| Lapa do Fuzil | 29/III/1998 | Cave | record | Taxonomic Literature (Zefa 2010) | -15,475846 | -49,010234 |

Legends: C, = Cave; \*troglobitic species = species of *Endecous* that occur only within the cave habitat, these records were not used to build the models, we just overlap them with the results in this study.

**Supplementary Table 1 - Dataset** **References**

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**Support Information**

To guarantee greater reliability of the data deposited in the ISLA Collection, we only used records from adult male crickets. Identification of specimens to the taxonomic category of genus was based on the key proposed by Mello et al. (2013), as well as all existing literature for the group (see the list of available literature in Cigliano et al. 2022). The phallic complex of each specimen present in the ISLA collection was dissected with the aid of tweezers, fixed in 70% alcohol and stored in microtubes, which was subsequently treated with a 10% KOH solution for approximately 5 to 15 minutes to remove muscle tissue and membranes. The genital structures were compared using a Stemi 2000 stereoscope (ZEISS), thus allowing the identification of species (or separating, in the case of those not yet described from the science) based on the taxonomic distinction criteria of the phallic complex for the currently known species (Souza-Dias, 2015; Cigliano et al., 2022). It should be noted that these identifications were carried out by a specialist in the taxonomy of *Endecous* genus (Castro-Souza, R.A.).

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