This Word module should be used for all taxonomic proposals.

Please complete **Part 1** and:

either **Part 3** for proposals to create new taxa or change existing taxa

or **Part 2** for proposals of a general nature.

Submit the completed Word module, together with the accompanying Excel module named in Part 3, to the appropriate ICTV Subcommittee Chair.

For guidance, see the notes written in blue, below, and the help notes in file Taxonomic\_Proposals\_Help\_2018.

**Part 1:** **TITLE, AUTHORS, etc**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Code assigned:** | ***2019.010M*** | | (to be completed by ICTV officers) | |
| **Short title:** Create one new species in the genus *Mammarenavirus* (*Bunyavirales*: *Arenaviridae*) | | | | |
|  | | | | |
| **Author(s):** | | | | |
| Fernandes, Jorlan ([jorlan@ioc.fiocruz.br](mailto:jorlan@ioc.fiocruz.br))  Guterres, Alexandro ([guterres@ioc.fiocruz.br](mailto:guterres@ioc.fiocruz.br))  Oliveira, Renata C. ([reoliveira@ioc.fiocruz.br](mailto:reoliveira@ioc.fiocruz.br))  Jardins, Rodrigo ([jardim@ioc.fiocruz.br](mailto:jardim@ioc.fiocruz.br))  Dávila, Alberto MR ([davila@ioc.fiocruz.br](mailto:davila@ioc.fiocruz.br))  Hewson, Roger ([roger.hewson@phe.gov.uk](mailto:roger.hewson@phe.gov.uk))  Lemos, Elba RS ([elba.lemos@ioc.fiocruz.br](mailto:elba.lemos@ioc.fiocruz.br))  and  Kuhn, Jens H.; [kuhnjens@mail.nih.gov](mailto:kuhnjens@mail.nih.gov) | | | | |
| **Corresponding author with e-mail address:** | | | | |
| Fernandes, Jorlan; [jorlan@ioc.fiocruz.br](mailto:jorlan@ioc.fiocruz.br) | | | | |
| **List the ICTV study group(s) that have seen this proposal:** | | | | |
| A list of study groups and contacts is provided at <http://www.ictvonline.org/subcommittees.asp> . If in doubt, contact the appropriate subcommittee chair (there are six virus subcommittees: animal DNA and retroviruses, animal ssRNA-, animal ssRNA+, fungal and protist, plant, bacterial and archaeal) | | **ICTV *Arenaviridae* Study Group** | | |
| **ICTV Study Group comments (if any) and response of the proposer:** | | | | |
| No concerns were voiced by any Study Group member. | | | | |
|  | | | | |
| Date first submitted to ICTV: | | | 19/12/2018 | |
| Date of this revision (if different to above): | | |  | |

|  |
| --- |
| **ICTV-EC comments and response of the proposer:** |
|  |

**Part 3:** **PROPOSED TAXONOMY**

|  |
| --- |
| **Name of accompanying Excel module:** 2019.010M.A.v1.Mammarenavirus\_sp\_APOV.xlsx |

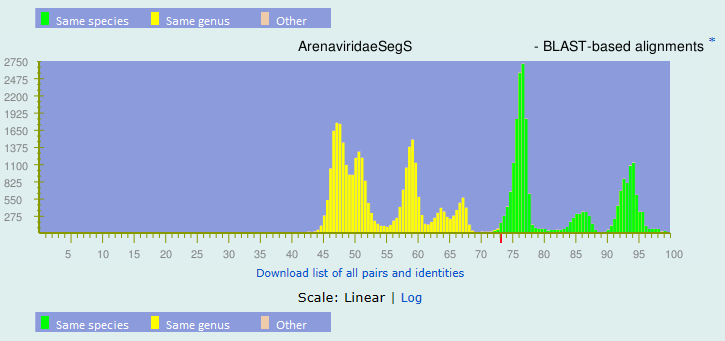
**Supporting material:**

Aporé virus (APOV) was discovered by next-generation sequencing in pygmy rice rats/colilargos of the species *Oligoryzomys mattogrossae* sampled in Cassilândia, Mato Grosso do Sul State, Brazil, in October of 2008. A complete genomic sequence (both S and L segments) of APOV is available from GenBank. APOV has not yet been isolated in culture.

The ICTV *Arenaviridae* Study Group has recommended the use of the PAirwise Sequence Comparison (PASC) tool (<https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=overview>) for the assessment of novel arenaviruses (Radoshitzky *et al*.). Cut-off values chosen for classifying arenaviruses belonging to the same species using this tool are >80% and >76% nucleotide sequence identity in the S and L segments, respectively. We therefore performed PASC on APOV.

The closest PASC hit for the APOV S segment is Chapare virus (*Chapare mammarenavirus*) with 73.37% pairwise identity (i.e., less than 80%), confirming the need for a new mammarenavirus species for which we propose the name *Planalto mammarenavirus*.

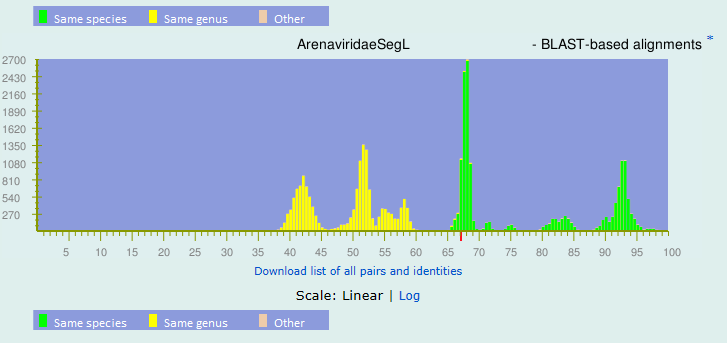
S segment: MF317490



|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Top matches for**[**gi|1304534347|gb|MF317490.1|**](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1304534347) **Aporé virus strain LBCE 12071 segment S, complete sequence:** | | | | | | | | | |
| BLAST-based alignments | | | | |  |  |  |  |  |
| 1 |  | [73.37%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=0) |  | [gi|172088171|ref|NC\_010562.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=172088171) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Chapare mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=499556) |  | | | | |
| [2](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=1&genera=1653394&scale=Linear) |  | [72.39%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=1) |  | [gi|52627079|ref|NC\_006317.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=52627079) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Brazilian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169992) |  | | | | |
| [3](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=2&genera=1653394&scale=Linear) |  | [62.35%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=2) |  | [gi|164607214|ref|NC\_010254.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=164607214) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Cupixi mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=208899) |  | | | | |
| [4](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=3&genera=1653394&scale=Linear) |  | [61.84%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=3) |  | [gi|105969671|gb|DQ531488.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=105969671) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Argentinian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169991) |  | | | | |
| [5](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=4&genera=1653394&scale=Linear) |  | [61.68%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=4) |  | [gi|114149968|gb|DQ854735.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=114149968) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Argentinian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169991) |  | | | | |
| [6](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=5&genera=1653394&scale=Linear) |  | [61.62%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=5) |  | [gi|23452270|gb|AF512834.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=23452270) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Serra do Navio mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169996) |  | | | | |
| [7](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=6&genera=1653394&scale=Linear) |  | [61.6%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=6) |  | [gi|34365529|ref|NC\_005081.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=34365529) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Argentinian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169991) |  | | | | |
| [8](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=7&genera=1653394&scale=Linear) |  | [61.58%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=7) |  | [gi|34365532|ref|NC\_005078.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=34365532) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Machupo mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11628) |  | | | | |
| [9](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=8&genera=1653394&scale=Linear) |  | [61.46%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=8) |  | [gi|22901284|gb|AF485258.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=22901284) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Guanarito mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=45219) |  | | | | |
| [10](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=9&genera=1653394&scale=Linear) |  | [61.45%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=9) |  | [gi|45220432|dbj|D10072.2|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=45220432) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Argentinian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169991) |  | | | | |
| [11](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=10&genera=1653394&scale=Linear) |  | [61.41%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=10) |  | [gi|365976992|gb|JN794586.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=365976992) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Machupo mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11628) |  | | | | |
| [12](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=11&genera=1653394&scale=Linear) |  | [61.33%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=11) |  | [gi|114149961|gb|DQ854733.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=114149961) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Argentinian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169991) |  | | | | |
| [13](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=12&genera=1653394&scale=Linear) |  | [61.3%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=12) |  | [gi|114149955|gb|DQ854731.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=114149955) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Argentinian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169991) |  | | | | |
| [14](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=13&genera=1653394&scale=Linear) |  | [61.29%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=13) |  | [gi|239736037|gb|GQ121040.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=239736037) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Argentinian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169991) |  | | | | |
| [15](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=14&genera=1653394&scale=Linear) |  | [61.28%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2700044_130.14.22.10_9000_Pasc&idx=14) |  | [gi|45239320|gb|AY497548.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=45239320) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Guanarito mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=45219) |  |  |  |  |  |

The closest PASC hit for the APOV L segment is Sabiá virus (*Brazilian mammarenavirus*) with 67.4% pairwise identity (i.e., less than 76%), thereby justifying the creation of a novel species. These interpretations are also supported by phylogenetic studies (Figure 1).

L segment: MF317491



|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Top matches for**[**gi|1304534350|gb|MF317491.1|**](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1304534350) **Aporé virus strain LBCE 12071 segment L, complete sequence:** | | | | | | | | | |
| BLAST-based alignments | | | | |  |  |  |  |  |
| 1 |  | [67.4%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=0) |  | [gi|52627076|ref|NC\_006313.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=52627076) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Brazilian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169992) |  | | | | |
| [2](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=1&genera=1653394&scale=Linear) |  | [67.36%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=1) |  | [gi|172088174|ref|NC\_010563.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=172088174) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Chapare mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=499556) |  | | | | |
| [3](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=2&genera=1653394&scale=Linear) |  | [59.93%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=2) |  | [gi|365976983|gb|JN794583.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=365976983) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Machupo mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11628) |  | | | | |
| [4](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=3&genera=1653394&scale=Linear) |  | [59.78%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=3) |  | [gi|365976989|gb|JN794585.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=365976989) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Machupo mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11628) |  | | | | |
| [5](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=4&genera=1653394&scale=Linear) |  | [59.65%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=4) |  | [gi|23334591|ref|NC\_004292.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=23334591) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Tacaribe mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11631) |  | | | | |
| [6](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=5&genera=1653394&scale=Linear) |  | [59.36%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=5) |  | [gi|34365535|ref|NC\_005079.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=34365535) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Machupo mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11628) |  | | | | |
| [7](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=6&genera=1653394&scale=Linear) |  | [58.97%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=6) |  | [gi|375270195|gb|JN714130.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=375270195) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Argentinian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169991) |  | | | | |
| [8](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=7&genera=1653394&scale=Linear) |  | [58.95%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=7) |  | [gi|48095756|gb|AY619640.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=48095756) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Argentinian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169991) |  | | | | |
| [9](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=8&genera=1653394&scale=Linear) |  | [58.81%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=8) |  | [gi|34365541|ref|NC\_005082.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=34365541) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Guanarito mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=45219) |  | | | | |
| [10](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=9&genera=1653394&scale=Linear) |  | [58.79%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=9) |  | [gi|62766429|gb|AY924389.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=62766429) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Serra do Navio mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169996) |  | | | | |
| [11](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=10&genera=1653394&scale=Linear) |  | [58.53%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=10) |  | [gi|34365526|ref|NC\_005080.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=34365526) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Argentinian mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169991) |  | | | | |
| [12](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=11&genera=1653394&scale=Linear) |  | [58.52%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=11) |  | [gi|164607211|ref|NC\_010252.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=164607211) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Cupixi mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=208899) |  | | | | |
| [13](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=12&genera=1653394&scale=Linear) |  | [54.17%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=12) |  | [gi|189026277|ref|NC\_010760.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=189026277) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Latino mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=45221) |  | | | | |
| [14](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=13&genera=1653394&scale=Linear) |  | [53.48%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=13) |  | [gi|164607196|ref|NC\_010250.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=164607196) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Oliveros mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=42764) |  | | | | |
| [15](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=14&genera=1653394&scale=Linear) |  | [50.2%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_2820042_130.14.18.6_9000_Pasc&idx=14) |  | [gi|188531120|ref|NC\_010703.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=188531120) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Whitewater Arroyo mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=46919) |  |  |  |  |  |

Figure 1. Phylogenetic tree based on mammarenaviruses complete L (A) and S (B) Segments, Bayesian method, using the evolutionary model GTR+G+I. Numbers (≥ 0.7) above branches indicate posterior node probabilities.

C:\Users\lhr\AppData\Local\Temp\Arvore L e S.tif

Etymology:

* Aporé virus: named after Aporé, a river in Cassilândia, Mato Grosso do Sul State, Brazil.
* *Planalto mammarenavirus*: named after the nearest locality in Cassilândia municipality, where APOV was discovered, and the genus *Mammarenavirus*.

| **References:** |
| --- |
| GenBank entries, followed by information provided by the virus discoverers.  Radoshitzky SR, et al. Past, present, and future of arenavirus taxonomy. Arch. Virol. 2015;160:1851–1874. doi: 10.1007/s00705-015-2418-y. |