

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

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| **Code assigned:** | **2020.019M** |  |
| **Short title:**  Create two new species in the genus *Hartmanivirus* (*Bunyavirales*: *Arenaviridae*) | | |
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**Author(s) and email address(es)**

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**Author(s) institutional address(es) (optional)**

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**Corresponding author**

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| Jussi Hepojoki |

**List the ICTV Study Group(s) that have seen this proposal**

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| ICTV *Arenaviridae* Study Group |

**ICTV study group comments and response of proposer**

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| The Study Group agrees with the proposal |

**Submission dates**

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| Date first submitted to SC Chair | July 31, 2020 |
| Date of this revision (if different to above) |  |

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

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**Part 3:** **TAXONOMIC PROPOSAL**

**Name of accompanying Excel module**

|  |
| --- |
| 2020.019M.R.Hartmanivirus.xlsx |

**Abstract**

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| --- |
| We herein propose formation of two novel hartmanivirus species: *Setpatvet hartmanivirus* and *Heimat hartmanivirus*. The virus sequences were obtained using next-generation sequencing and *de novo* genome assembly. The proposed classification is based on PAirwise Sequence Comparison (PASC) tool and the respective sequence-based classification criteria. |

**Text of proposal**

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Complete-coding sequence (CDS) was obtained for the S segments of both SPVV-1 and AHeV-1 as well as for the L segment of AHeV-1, but a small fragment (ca. 100-150 nt) of SPVV-1 L segment remained unsequenced. AHeV-1 was identified in two individuals. Due to lack of non-fixed and non-inactivated sample material neither of the identified viruses have been isolated in cell culture. The sequences have been deposited to GenBank (SPVV-1 L segment, two pieces, MN567049 and MN567050; SPVV-1 S segment MN567048; AHeV-1 S segments, MN567055 and MN567061; AHeV-1 L segments, MN567056 and MN567062).  PAirwise Sequence Comparison (PASC) tool (<https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=overview>) is recommended by the ICTV *Arenaviridae* Study Group for the classification of novel arenaviruses (Radoshitzky *et al*. 2015). The sequence-based criteria for classifying arenaviruses into same species are >80% and >76% nucleotide sequence identity in the S and L segments.  Therefore, PASC analysis was used to guide classification of SPVV-1 and AHeV-1.  **Supporting evidence**  **The PASC results for SPVV-1 S segment (MN567048):**     |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Top matches for lcl|MN567048\_SPVV-1\_N171-16 :** | | | | | | | BLAST-based alignments | | | | | | 1 |  | [50.34%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=0) |  | [gi|1527256288|gb|MH483026.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256288) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Muikkunen hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734411)|[Dante Muikkunen virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447916) | | [2](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=1&scale=Linear) |  | [48.93%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=1) |  | [gi|1527256325|gb|MH483043.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256325) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[unclassified Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447915)|[Veterinary Pathology Zurich virus 2](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447923) | | [3](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=2&scale=Linear) |  | [47.51%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=2) |  | [gi|1527256284|gb|MH483024.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256284) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Schoolhouse hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734412)|[Old schoolhouse virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447920) | | [4](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=3&scale=Linear) |  | [47.46%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=3) |  | [gi|1527256292|gb|MH483027.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256292) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Schoolhouse hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734412)|[Old schoolhouse virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447920) | | [5](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=4&scale=Linear) |  | [46.59%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=4) |  | [gi|1694998456|ref|NC\_043444.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1694998456) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Haartman hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169909)|[Haartman Institute snake virus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1672380) | | [6](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=5&scale=Linear) |  | [45.75%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=5) |  | [gi|1527256300|gb|MH483031.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256300) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[unclassified Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447915)|[Veterinary Pathology Zurich virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447921) | | [7](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=6&scale=Linear) |  | [23.68%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=6) |  | [gi|1726259598|gb|MK611980.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1726259598) [unclassified Arenaviridae](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=208898)|[Salmon pescarenavirus 2](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2587488) | | [8](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=7&scale=Linear) |  | [23.52%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=7) |  | [gi|1726259606|gb|MK611984.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1726259606) [unclassified Arenaviridae](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=208898)|[Salmon pescarenavirus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2587489) | | [9](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=8&scale=Linear) |  | [21.82%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=8) |  | [gi|258489125|gb|FJ607031.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=258489125) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lymphocytic choriomeningitis mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11623) | | [10](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=9&scale=Linear) |  | [21.16%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=9) |  | [gi|162945384|gb|EU136038.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=162945384) [unclassified Arenaviridae](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=208898)|[Arenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11618)|[Old world arenaviruses](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=208896)|[unclassified Old world arenaviruses](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=483045)|[Dandenong virus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=483046) | | [11](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=10&scale=Linear) |  | [21.03%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=10) |  | [gi|71089856|gb|DQ118959.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=71089856) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lymphocytic choriomeningitis mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11623) | | [12](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=11&scale=Linear) |  | [20.87%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=11) |  | [gi|258489113|gb|FJ607028.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=258489113) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lymphocytic choriomeningitis mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11623) | | [13](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=12&scale=Linear) |  | [20.21%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=12) |  | [gi|258489128|gb|FJ607032.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=258489128) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lymphocytic choriomeningitis mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11623) | | [14](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=13&scale=Linear) |  | [20.18%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=13) |  | [gi|115383200|gb|DQ868485.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=115383200) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lymphocytic choriomeningitis mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11623) | | [15](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=14&scale=Linear) |  | [20.12%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_6667059_130.14.22.10_9000_Pasc&idx=14) |  | [gi|258489147|gb|FJ607037.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=258489147) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lymphocytic choriomeningitis mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11623) |   **The PASC results for SPVV-1 L segment (MN567049 and MN567050 combined):**     |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Top matches for lcl|MN567049\_and\_MN567050\_SPVV-1 :** | | | | | | | BLAST-based alignments | | | | | | 1 |  | [57.97%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=0) |  | [gi|1527256692|gb|MH483032.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256692) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[unclassified Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447915)|[Veterinary Pathology Zurich virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447921) | | [2](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=1&scale=Linear) |  | [57.34%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=1) |  | [gi|1527256683|gb|MH483025.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256683) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Schoolhouse hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734412)|[Old schoolhouse virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447920) | | [3](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=2&scale=Linear) |  | [56.81%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=2) |  | [gi|1527256686|gb|MH483028.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256686) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Schoolhouse hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734412)|[Old schoolhouse virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447920) | | [4](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=3&scale=Linear) |  | [56.47%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=3) |  | [gi|1489086926|gb|MH778629.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1489086926) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Muikkunen hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734411)|[Dante Muikkunen virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447916) | | [5](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=4&scale=Linear) |  | [54.95%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=4) |  | [gi|1694998454|ref|NC\_043443.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1694998454) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Haartman hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169909)|[Haartman Institute snake virus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1672380) | | [6](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=5&scale=Linear) |  | [19.43%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=5) |  | [gi|1726259600|gb|MK611981.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1726259600) [unclassified Arenaviridae](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=208898)|[Salmon pescarenavirus 2](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2587488) | | [7](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=6&scale=Linear) |  | [18.81%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=6) |  | [gi|1726259602|gb|MK611982.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1726259602) [unclassified Arenaviridae](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=208898)|[Salmon pescarenavirus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2587489) | | [8](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=7&scale=Linear) |  | [17.98%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=7) |  | [gi|821492223|gb|KP071551.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=821492223) [Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653395)|[unclassified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654822)|[unidentified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654823) | | [9](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=8&scale=Linear) |  | [17.76%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=8) |  | [gi|1529955014|gb|MK107844.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1529955014) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lassa mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11620) | | [10](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=9&scale=Linear) |  | [17.55%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=9) |  | [gi|821492485|gb|KP071626.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=821492485) [Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653395)|[unclassified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654822)|[unidentified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654823) | | [11](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=10&scale=Linear) |  | [17.25%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=10) |  | [gi|594140721|ref|NC\_023763.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=594140721) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Merino Walk mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=743685) | | [12](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=11&scale=Linear) |  | [17.22%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=11) |  | [gi|189026280|ref|NC\_010761.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=189026280) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Paraguayan mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169994) | | [13](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=12&scale=Linear) |  | [17.21%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=12) |  | [gi|821492315|gb|KP071580.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=821492315) [Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653395)|[unclassified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654822)|[unidentified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654823) | | [14](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=13&scale=Linear) |  | [17.12%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=13) |  | [gi|821492534|gb|KP071640.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=821492534) [Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653395)|[unclassified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654822)|[unidentified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654823) | | [15](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=14&scale=Linear) |  | [17.08%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727986_130.14.22.21_9000_Pasc&idx=14) |  | [gi|821492273|gb|KP071567.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=821492273) [Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653395)|[unclassified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654822)|[unidentified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654823) |   **The PASC results for AHeV-1 S segment (MN567061):**     |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Top matches for lcl|MN567061\_AHeV-1\_1164-18 :** | | | | | | | BLAST-based alignments | | | | | | 1 |  | [50.98%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=0) |  | [gi|1527256284|gb|MH483024.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256284) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Schoolhouse hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734412)|[Old schoolhouse virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447920) | | [2](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=1&scale=Linear) |  | [48.89%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=1) |  | [gi|1527256292|gb|MH483027.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256292) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Schoolhouse hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734412)|[Old schoolhouse virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447920) | | [3](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=2&scale=Linear) |  | [48.44%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=2) |  | [gi|1527256288|gb|MH483026.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256288) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Muikkunen hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734411)|[Dante Muikkunen virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447916) | | [4](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=3&scale=Linear) |  | [48.41%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=3) |  | [gi|1527256300|gb|MH483031.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256300) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[unclassified Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447915)|[Veterinary Pathology Zurich virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447921) | | [5](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=4&scale=Linear) |  | [46.19%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=4) |  | [gi|1694998456|ref|NC\_043444.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1694998456) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Haartman hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169909)|[Haartman Institute snake virus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1672380) | | [6](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=5&scale=Linear) |  | [45.92%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=5) |  | [gi|1527256325|gb|MH483043.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256325) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[unclassified Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447915)|[Veterinary Pathology Zurich virus 2](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447923) | | [7](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=6&scale=Linear) |  | [24.28%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=6) |  | [gi|1726259598|gb|MK611980.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1726259598) [unclassified 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mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11623) | | [11](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=10&scale=Linear) |  | [20.97%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=10) |  | [gi|749717236|ref|NC\_026246.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=749717236) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Gairo mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1535802) | | [12](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=11&scale=Linear) |  | [20.58%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=11) |  | 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[14](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=13&scale=Linear) |  | [20.33%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=13) |  | [gi|1483576140|gb|MG812636.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1483576140) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lassa mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11620) | | [15](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=14&scale=Linear) |  | [20.2%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3727985_130.14.22.21_9000_Pasc&idx=14) |  | [gi|332639|gb|M16734.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=332639) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Cali mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169993) |   **The PASC results for AHeV-1 L segment (MN567062):**     |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Top matches for lcl|MN567062\_AHeV-1\_1164-18 :** | | | | | | | BLAST-based alignments | | | | | | 1 |  | [58.54%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=0) |  | [gi|1527256692|gb|MH483032.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256692) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[unclassified Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447915)|[Veterinary Pathology Zurich virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447921) | | [2](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=1&scale=Linear) |  | [58.08%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=1) |  | [gi|1527256683|gb|MH483025.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256683) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Schoolhouse hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734412)|[Old schoolhouse virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447920) | | [3](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=2&scale=Linear) |  | [57.18%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=2) |  | [gi|1527256686|gb|MH483028.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1527256686) [Hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2169607)|[Schoolhouse hartmanivirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2734412)|[Old schoolhouse virus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2447920) | | [4](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=3&scale=Linear) |  | [56.84%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=3) |  | 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[9](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=8&scale=Linear) |  | [17.55%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=8) |  | [gi|1493630120|gb|MH887984.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1493630120) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lassa mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11620) | | [10](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=9&scale=Linear) |  | [17.52%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=9) |  | 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[12](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=11&scale=Linear) |  | [17.41%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=11) |  | [gi|1483576058|gb|MG812638.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1483576058) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lassa mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11620) | | [13](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=12&scale=Linear) |  | [17.35%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=12) |  | [gi|1726259602|gb|MK611982.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=1726259602) [unclassified Arenaviridae](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=208898)|[Salmon pescarenavirus 1](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=2587489) | | [14](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=13&scale=Linear) |  | [17.32%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=13) |  | [gi|695314817|gb|KM821960.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=695314817) [Mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653394)|[Lassa mammarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=11620) | | [15](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?cmdresult=main&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=14&scale=Linear) |  | [16.99%](https://www.ncbi.nlm.nih.gov/sutils/pasc/viridty.cgi?textpage=pa2txt&jobkey=JSID_01_3744377_130.14.18.128_9000_Pasc&idx=14) |  | [gi|821492263|gb|KP071565.1|](https://www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?db=nucleotide&val=821492263) [Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1653395)|[unclassified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654822)|[unidentified Reptarenavirus](https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=1654823) |   The PASC results indicate that:   1. SPVV-1 should be classified as novel hartmanivirus species, suggested name *Setpatvet hartmanivirus*; and 2. AHeV-1 should be classified as novel hartmanivirus species, suggested name *Heimat hartmanivirus*. | |

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