

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

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| **Code assigned:** | **2022.008D** |  |
| **Short title:** Rename 146 species in the family *Anellovirdae* |
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**Author(s) and email address(es)**

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| Varsani A, Kraberger S, Opriessnig T, Maggi F, Celer V, Okamoto H, Biagini P  | arvind.varsani@asu.edu; simona.kraberger@asu.edu; tanja.opriessnig@roslin.ed.ac.uk; fabrizio.maggi63@gmail.com; celerv@vfu.cz; hokamoto@jichi.ac.jp; philippe.biagini@efs.sante.fr |

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

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| The Biodesign Center for Fundamental and Applied Microbiomics, Center for Evolution and Medicine, School of Life Sciences, Arizona State University, 1001 S. McAllister Ave, Tempe, AZ 85287‑5001, USA [AV, SK]The Roslin Institute and R(D)SVS, University of Edinburgh, Easter Bush, Midlothian, Scotland EH25 9RG, UK [TO]Department of Medicine and Surgery, University of Insubria, 21100 Varèse, Italy [FM]Faculty of Veterinary Medicine, University of Veterinary Sciences Brno, Palackeho 1946, 612 42 Brno, Czech Republic [VC]Division of Virology, Department of Infection and Immunity, Jichi Medical University School of Medicine, 3311‑1 Yakushiji, Shimotsuke‑shi, Tochigi 329‑0498, Japan [HO]Equipe Biologie des Groupes Sanguins, UMR 7268, ADES, Aix-Marseille Université, CNRS, EFS, 27 Bd. Jean Moulin, 13005 Marseille, France [PB] |

**Corresponding author**

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

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| *Anelloviridae* study group |

**ICTV Study Group comments and response of proposer**

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| All in agreement. |

**ICTV Study Group votes on proposal**

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| **Study Group** | **Number of members** |
| **Votes support** | **Votes against** | **No vote** |
| *Anelloviridae* study group | 7 | 0 | 0 |
|  |  |  |  |

**Authority to use the name of a living person**

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| **Is any taxon name used here derived from that of a living person (Y/N)** |  |

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| **Taxon name** | **Person from whom the name is derived** | **Permission attached (Y/N)** |
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**Submission dates**

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| --- | --- |
| Date first submitted to SC Chair | 27th May 2022 |
| Date of this revision (if different to above) |  |

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

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**Part 2:** **NON-TAXONOMIC PROPOSAL**

**Text of proposal**

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

**Name of accompanying Excel module**

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| --- |
| 2022.008D.N.v2\_Anelloviridae\_146rensp.xlsx |

**Abstract**

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| The family *Anelloviridae* is composed of negative single-stranded circular DNA viruses and has 31 established genera. Those in the genus *Gyrovirus* have been identified infecting various avian species whereas those in the remaining 30 genera have been found primarily infecting various mammal species. In this proposal we renamed 146 anellovirus species with binomial names using a free alphanumeric epithet form.  |

**Text of proposal**

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| Anelloviruses have circular negative sense single-stranded genomes ranging in size from 1.6-3.9 kb. Members of the genus *Gyrovirus* have been identified infecting various avian species and those in the remaining 30 genera have been primarily found to infect various mammal species. Withing the 31 genera in the family *Anelloviridae* [2] there are 155 species. 1. Nine of ten species in the genus *Gyrovirus* have been renamed with binomial species names using a freeform alphanumeric epithet [1]. Here we propose to rename the species *Chicken anemia virus* to *Gyrovirus chikenanemia.*
2. We also propose to rename 145 species in the following genera using binomial names with freeform epithets composed of the first five letter of the name of the host or the source family (e.g. phoca for Phocidae) followed by a number such that each epithet is unique.
	* *Aleptorquevirus*
	* *Alphatorquevirus*
	* *Chitorquevirus*
	* *Dalettorquevirus*
	* *Deltatorquevirus*
	* *Epsilontorquevirus*
	* *Etatorquevirus*
	* *Gimeltorquevirus*
	* *Hetorquevirus*
	* *Iotatorquevirus*
	* *Kappatorquevirus*
	* *Lambdatorquevirus*
	* *Mutorquevirus*
	* *Nutorquevirus*
	* *Omegatorquevirus*
	* *Omicrontorquevirus*
	* *Pitorquevirus*
	* *Psitorquevirus*
	* *Rhotorquevirus*
	* *Sigmatorquevirus*
	* *Tettorquevirus*
	* *Thetatorquevirus*
	* *Upsilontorquevirus*
	* *Wawtorquevirus*
	* *Xitorquevirus*
	* *Zayintorquevirus*
	* *Zetatorquevirus*
3. For the members of the genus *Betatorquevirus* we have used the epithet homini followed by a number to reflect ‘mini’ from the name torque teno mini virus (e.g. *Torque teno mini virus 1* has a proposed binomial name of *Betatorquevirus homini1*.
4. For the members of the genus *Gammatorquevirus* we have used the epithet homidi followed by a number to reflect ‘midi’ from the name torque teno midi virus (e.g. *Torque teno midi virus 1* has a proposed binomial name of *Gammatorquevirus homidi1*.
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**Supporting evidence**

**Table 1:** Summary of the taxonomy of classified anelloviruses with new binomial species names provided in blue front.

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| **Accession** | **Current species name** | **New species name** | **Virus name** | **Host/Source** | **Family** |
| HQ335082 | Torque teno arthrovec virus 1 | *Aleptorquevirus culic1* | mosquito VEM Anellovirus SDBVL | Mosquitoes (mixed species) | Culicidae |
| MN994854 | Torque teno leprid virus 1 | *Aleptorquevirus lepor1* | Lepus torque teno virus 1 | *Lepus granatensis* | Leporidae |
| KJ082064 | Torque teno virus 31 | *Alphatorquevirus homin31* | torque teno virus | *Homo sapiens* | Hominidae |
| AB041007 | Torque teno virus 1 | *Alphatorquevirus homin1* | torque teno virus 1 | *Homo sapiens* | Hominidae |
| AB041957 | Torque teno virus 4 | *Alphatorquevirus homin4* | torque teno virus 4 | *Pan troglodytes* | Hominidae |
| AB064607 | Torque teno virus 10 | *Alphatorquevirus homin10* | torque teno virus 10 | *Homo sapiens* | Hominidae |
| AB037926 | Torque teno virus 14 | *Alphatorquevirus homin14* | torque teno virus 14 | *Pan troglodytes* | Hominidae |
| AB025946 | Torque teno virus 19 | *Alphatorquevirus homin19* | torque teno virus 19 | *Homo sapiens* | Hominidae |
| AB041958 | Torque teno virus 26 | *Alphatorquevirus cerco6* | torque teno virus 26 | *Macaca fuscata* | Cercopithecidae |
| AF261761 | Torque teno virus 7 | *Alphatorquevirus homin7* | torque teno virus 7 | *Homo sapiens* | Hominidae |
| AY666122 | Torque teno virus 3 | *Alphatorquevirus homin3* | torque teno virus 3 | *Homo sapiens* | Hominidae |
| AB041959 | Torque teno virus 25 | *Alphatorquevirus cerco7* | torque teno virus 25 | *Macaca fuscata* | Cercopithecidae |
| AF435014 | Torque teno virus 6 | *Alphatorquevirus homin6* | torque teno virus 6 | *Homo sapiens* | Hominidae |
| AB028668 | Torque teno virus 15 | *Alphatorquevirus homin15* | torque teno virus 15 | *Homo sapiens* | Hominidae |
| AB049608 | Torque teno virus 2 | *Alphatorquevirus homin2* | torque teno virus 2 | *Pan troglodytes* | Hominidae |
| KP296853 | Torque teno chlorocebus virus 3 | *Alphatorquevirus cerco3* | simian torque teno virus 31 | *Chlorocebus sabaeus* | Cercopithecidae |
| KP296857 | Torque teno chlorocebus virus 1 | *Alphatorquevirus cerco1* | simian torque teno virus 30 | *Chlorocebus sabaeus* | Cercopithecidae |
| KP296854 | Torque teno chlorocebus virus 5 | *Alphatorquevirus cerco5* | simian torque teno virus 32 | *Chlorocebus sabaeus* | Cercopithecidae |
| KP296856 | Torque teno chlorocebus virus 2 | *Alphatorquevirus cerco2* | simian torque teno virus 34 | *Chlorocebus sabaeus* | Cercopithecidae |
| AF345523 | Torque teno virus 5 | *Alphatorquevirus homin5* | torque teno virus 5 | *Homo sapiens* | Hominidae |
| DQ187006 | Torque teno virus 9 | *Alphatorquevirus homin9* | torque teno virus 9 | *Homo sapiens* | Hominidae |
| AF345526 | Torque teno virus 13 | *Alphatorquevirus homin13* | torque teno virus 13 | *Homo sapiens* | Hominidae |
| AB060594 | Torque teno virus 20 | *Alphatorquevirus homin20* | torque teno virus 20 | *Homo sapiens* | Hominidae |
| AF348409 | Torque teno virus 21 | *Alphatorquevirus homin21* | torque teno virus 21 | *Homo sapiens* | Hominidae |
| AB060597 | Torque teno virus 24 | *Alphatorquevirus homin24* | torque teno virus 24 | *Homo sapiens* | Hominidae |
| AB038621 | Torque teno virus 29 | *Alphatorquevirus homin29* | torque teno virus 29 | *Homo sapiens* | Hominidae |
| AX025830 | Torque teno virus 17 | *Alphatorquevirus homin17* | torque teno virus 17 | *Homo sapiens* | Hominidae |
| AX025718 | Torque teno virus 18 | *Alphatorquevirus homin18* | torque teno virus 18 | *Homo sapiens* | Hominidae |
| KY856742 | Torque teno mini virus 13 | *Betatorquevirus homini13* | TTV-like mini virus | *Homo sapiens* | Hominidae |
| MH017546 | Torque teno mini virus 14 | *Betatorquevirus homini14* | torque teno mini virus 10 | *Homo sapiens* | Hominidae |
| MH648907 | Torque teno mini virus 17 | *Betatorquevirus homini17* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| KF764701 | Torque teno mini virus 18 | *Betatorquevirus homini18* | TTV-like mini virus | *Homo sapiens* | Hominidae |
| JX134046 | Torque teno mini virus 19 | *Betatorquevirus homini19* | TTV-like mini virus | *Homo sapiens* | Hominidae |
| MH648989 | Torque teno mini virus 20 | *Betatorquevirus homini20* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| MH648910 | Torque teno mini virus 21 | *Betatorquevirus homini21* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| MK212031 | Torque teno mini virus 22 | *Betatorquevirus homini22* | TTV-like mini virus | *Homo sapiens* | Hominidae |
| KX810063 | Torque teno mini virus 23 | *Betatorquevirus homini23* | TTV-like mini virus | *Homo sapiens* | Hominidae |
| MH649141 | Torque teno mini virus 24 | *Betatorquevirus homini24* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| MH648986 | Torque teno mini virus 25 | *Betatorquevirus homini25* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| KY462770 | Torque teno mini virus 26 | *Betatorquevirus homini26* | torque teno mini virus SHA | *Homo sapiens* | Hominidae |
| MH017563 | Torque teno mini virus 28 | *Betatorquevirus homini28* | torque teno mini virus 10 | *Homo sapiens* | Hominidae |
| KX810064 | Torque teno mini virus 29 | *Betatorquevirus homini29* | TTV-like mini virus | *Homo sapiens* | Hominidae |
| MH648912 | Torque teno mini virus 30 | *Betatorquevirus homini30* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| MH649017 | Torque teno mini virus 31 | *Betatorquevirus homini31* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| MH649029 | Torque teno mini virus 33 | *Betatorquevirus homini33* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| MH649114 | Torque teno mini virus 34 | *Betatorquevirus homini34* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| MH648966 | Torque teno mini virus 35 | *Betatorquevirus homini35* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| LC381845 | Torque teno mini virus 36 | *Betatorquevirus homini36* | torque teno virus | *Homo sapiens* | Hominidae |
| MH649209 | Torque teno mini virus 37 | *Betatorquevirus homini37* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| MH648982 | Torque teno mini virus 38 | *Betatorquevirus homini38* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| AB038625 | Torque teno mini virus 9 | *Betatorquevirus homini9* | torque teno mini virus 9 | *Homo sapiens* | Hominidae |
| AF291073 | Torque teno mini virus 8 | *Betatorquevirus homini8* | torque teno mini virus 8 | *Homo sapiens* | Hominidae |
| AB038627 | Torque teno mini virus 7 | *Betatorquevirus homini7* | torque teno mini virus 7 | *Homo sapiens* | Hominidae |
| AB038629 | Torque teno mini virus 2 | *Betatorquevirus homini2* | torque teno mini virus 2 | *Homo sapiens* | Hominidae |
| AB038630 | Torque teno mini virus 3 | *Betatorquevirus homini3* | torque teno mini virus 3 | *Homo sapiens* | Hominidae |
| AB041962 | Torque teno mini virus 5 | *Betatorquevirus homini5* | torque teno mini virus 5 | *Homo sapiens* | Hominidae |
| AB041963 | Torque teno mini virus 4 | *Betatorquevirus homini4* | torque teno mini virus 4 | *Pan troglodytes* | Hominidae |
| AB026929 | Torque teno mini virus 6 | *Betatorquevirus homini6* | torque teno mini virus 6 | *Homo sapiens* | Hominidae |
| AB026931 | Torque teno mini virus 1 | *Betatorquevirus homini1* | torque teno mini virus 1 | *Homo sapiens* | Hominidae |
| JX134044 | Torque teno mini virus 15 | *Betatorquevirus homini15* | TTV-like mini virus | *Homo sapiens* | Hominidae |
| KM259873 | Torque teno mini virus 27 | *Betatorquevirus homini27* | torque teno mini virus ALA22 | *Homo sapiens* | Hominidae |
| KM259874 | Torque teno mini virus 16 | *Betatorquevirus homini16* | torque teno mini virus ALH8 | *Homo sapiens* | Hominidae |
| KU041847 | Torque teno mini virus 32 | *Betatorquevirus homini32* | torque teno mini virus 18 | *Homo sapiens* | Hominidae |
| EF538880 | Torque teno mini virus 10 | *Betatorquevirus homini10* | torque teno mini virus 10 | *Homo sapiens* | Hominidae |
| EF538881 | Torque teno mini virus 11 | *Betatorquevirus homini11* | torque teno mini virus 11 | *Homo sapiens* | Hominidae |
| EF538882 | Torque teno mini virus 12 | *Betatorquevirus homini12* | torque teno mini virus 12 | *Homo sapiens* | Hominidae |
| MF187212 | Torque teno indriid virus 1 | *Chitorquevirus indri1* | torque teno indri virus 1 | *Indri indri* | Indriidae |
| MF327539 | Torque teno ursid virus 6 | *Dalettorquevirus ursid6* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| AB057358 | Torque teno tupaia virus | *Deltatorquevirus tupai1* | torque teno tupaia virus | *Tupaia belangeri chinensis* | Tupaiidae |
| AB041960 | Torque teno tamarin virus | *Epsilontorquevirus calli1* | torque teno tamarin virus | *Saguinus oedipus* | Callitrichidae |
| AB076003 | Torque teno felid virus 1 | *Etatorquevirus felid1* | torque teno felis virus | *Felis catus* | Felidae |
| EF538877 | Torque teno felid virus 2 | *Etatorquevirus felid2* | torque teno felis virus 2 | *Felis catus* | Felidae |
| MK069470 | Torque teno felid virus 3 | *Etatorquevirus felid3* | torque teno ocelot virus | *Leopardus pardalis* | Felidae |
| JF304938 | Torque teno felid virus 4 | *Etatorquevirus felid4* | torque teno felis virus-Fc-TTV2 | *Felis catus* | Felidae |
| JF304937 | Torque teno felid virus 5 | *Etatorquevirus felid5* | torque teno felis virus-Fc-TTV1 | *Felis catus* | Felidae |
| LC387548 | Torque teno viverrid virus 3 | *Etatorquevirus viver3* | Paguma larvata torque teno virus | *Paguma larvata* | Viverridae |
| AB290917 | Torque teno midi virus 1 | *Gammatorquevirus homidi1* | torque teno midi virus 1 | *Homo sapiens* | Hominidae |
| AB290919 | Torque teno midi virus 2 | *Gammatorquevirus homidi2* | torque teno midi virus 2 | *Homo sapiens* | Hominidae |
| EF538875 | Torque teno midi virus 3 | *Gammatorquevirus homidi3* | torque teno midi virus 3 | *Homo sapiens* | Hominidae |
| EF538876 | Torque teno midi virus 4 | *Gammatorquevirus homidi4* | torque teno midi virus 4 | *Homo sapiens* | Hominidae |
| AB303552 | Torque teno midi virus 5 | *Gammatorquevirus homidi5* | torque teno midi virus 5 | *Homo sapiens* | Hominidae |
| AB303553 | Torque teno midi virus 6 | *Gammatorquevirus homidi6* | torque teno midi virus 6 | *Homo sapiens* | Hominidae |
| AB303554 | Torque teno midi virus 7 | *Gammatorquevirus homidi7* | torque teno midi virus 7 | *Homo sapiens* | Hominidae |
| AB303558 | Torque teno midi virus 8 | *Gammatorquevirus homidi8* | torque teno midi virus 8 | *Homo sapiens* | Hominidae |
| AB303559 | Torque teno midi virus 9 | *Gammatorquevirus homidi9* | torque teno midi virus 9 | *Homo sapiens* | Hominidae |
| AB303560 | Torque teno midi virus 10 | *Gammatorquevirus homidi10* | torque teno midi virus 10 | *Homo sapiens* | Hominidae |
| AB303561 | Torque teno midi virus 11 | *Gammatorquevirus homidi11* | torque teno midi virus 11 | *Homo sapiens* | Hominidae |
| AB303562 | Torque teno midi virus 12 | *Gammatorquevirus homidi12* | torque teno midi virus 12 | *Homo sapiens* | Hominidae |
| AB303564 | Torque teno midi virus 13 | *Gammatorquevirus homidi13* | torque teno midi virus 13 | *Homo sapiens* | Hominidae |
| AB303566 | Torque teno midi virus 14 | *Gammatorquevirus homidi14* | torque teno midi virus 14 | *Homo sapiens* | Hominidae |
| AB449062 | Torque teno midi virus 15 | *Gammatorquevirus homidi15* | torque teno midi virus 15 | *Pan troglodytes* | Hominidae |
| MF327544 | Torque teno virus 30 | *Gimeltorquevirus ursid13* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MK212032 | Torque teno hominid virus 2 | *Hetorquevirus hominid2* | Anelloviridae sp. | *Homo sapiens* | Hominidae |
| AB076001 | Torque teno sus virus 1a | *Iotatorquevirus suida1a* | torque teno sus virus 1a | *Sus scrofa* | Suidae |
| AY823991 | Torque teno sus virus k2a | *Kappatorquevirus suidak2a* | torque teno sus virus k2a | *Sus scrofa* | Suidae |
| JQ406846 | Torque teno sus virus k2b | *Kappatorquevirus suidak2b* | torque teno sus virus k2b | *Sus scrofa* | Suidae |
| KY246582 | Torque teno pinniped virus 8 | *Lambdatorquevirus phoci5* | torque teno Leptonychotes weddellii virus-1 | *Leptonychotes weddellii* | Phocidae |
| HQ287751 | Torque teno pinniped virus 1 | *Lambdatorquevirus phoci1* | seal anellovirus TFFN | *Phoca vitulina* | Phocidae |
| KF373758 | Torque teno pinniped virus 3 | *Lambdatorquevirus phoci3* | seal anellovirus 3 | *Phoca vitulina* | Phocidae |
| KF373760 | Torque teno pinniped virus 2 | *Lambdatorquevirus phoci2* | seal anellovirus 2 | *Phoca vitulina* | Phocidae |
| KY246547 | Torque teno pinniped virus 9 | *Lambdatorquevirus phoci6* | torque teno Leptonychotes weddellii virus-2 | *Leptonychotes weddellii* | Phocidae |
| KR902501 | Torque teno equid virus 1 | *Mutorquevirus equid1* | torque teno equus virus 1 | *Equus caballus* | Equidae |
| KM262782 | Torque teno pinniped virus 4 | *Nutorquevirus phoci4* | seal anellovirus 5 | *Phoca vitulina* | Phocidae |
| KT027939 | Torque teno hominid virus 1 | *Omegatorquevirus hominid1* | gorilla anellovirus | *Gorilla gorilla* | Hominidae |
| MF327557 | Torque teno ursid virus 5 | *Omicrontorquevirus ursid5* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MF327548 | Torque teno ursid virus 11 | *Pitorquevirus ursid11* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MF327547 | Torque teno ursid virus 12 | *Pitorquevirus ursid12* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MF327540 | Torque teno ursid virus 7 | *Pitorquevirus ursid7* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MF327542 | Torque teno ursid virus 8 | *Pitorquevirus ursid8* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MF327550 | Torque teno ursid virus 9 | *Pitorquevirus ursid9* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MF327541 | Torque teno ursid virus 10 | *Pitorquevirus ursid10* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MK012516 | Torque teno procyo virus 4 | *Psitorquevirus procy4* | Anelloviridae sp. | *Procyon lotor* | Procyonidae |
| KJ194617 | Torque teno rodent virus 1 | *Rhotorquevirus murid1* | rodent torque teno virus 1 | *Apodemus sylvaticus* | Muridae |
| FJ459582 | Torque teno pinniped virus 5 | *Sigmatorqueviru otari1* | torque teno zalophus virus 1 | *Zalophus californianus* | Otariidae |
| MG837569 | Torque teno pinniped virus 6 | *Sigmatorquevirus otari2* | torque teno Arctocephalus gazella virus 1 | *Arctocephalus gazella* | Otariidae |
| MG837571 | Torque teno pinniped virus 7 | *Sigmatorquevirus otari3* | torque teno Arctocephalus gazella virus 2 | *Arctocephalus gazella* | Otariidae |
| KX262893 | Torque teno felid virus 6 | *Tettorquevirus felid6* | feline anellovirus | *Felis catus* | Felidae |
| MF173068 | Torque teno arthrovec virus 3 | *Thetatorquevirus ixodi1* | tick associated torque teno virus | *Dermacentor variabilis* | Ixodidae |
| JN704611 | Torque teno mustilid virus 1 | *Thetatorquevirus muste1* | pine marten torque teno virus 1 | *Martes americana* | Mustelidae |
| MK012446 | Torque teno procyo virus 5 | *Thetatorquevirus procy5* | Anelloviridae sp. | *Procyon lotor* | Procyonidae |
| MK012439 | Torque teno procyo virus 6 | *Thetatorquevirus procy6* | Anelloviridae sp. | *Procyon lotor* | Procyonidae |
| MF327551 | Torque teno ursid virus 2 | *Thetatorquevirus ursid2* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MF327552 | Torque teno ursid virus 3 | *Thetatorquevirus ursid3* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MF327554 | Torque teno ursid virus 4 | *Thetatorquevirus ursid4* | giant panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| LC387543 | Torque teno viverrid virus 4 | *Thetatorquevirus viver4* | Paguma larvata torque teno virus | *Paguma larvata* | Viverridae |
| AB076002 | Torque teno canid virus 1 | *Thetatorquevirus canid1* | torque teno canis virus | *Canis lupus familiaris* | Canidae |
| KX611132 | Torque teno ursid virus 1 | *Thetatorquevirus ursid1* | lesser panda anellovirus | *Ailuropoda melanoleuca* | Ursidae |
| MK012447 | Torque teno procyo virus 1 | *Upsilontorquevirus procy1* | Anelloviridae sp. | *Procyon lotor* | Procyonidae |
| MK012527 | Torque teno procyo virus 2 | *Upsilontorquevirus procy2* | Anelloviridae sp. | *Procyon lotor* | Procyonidae |
| MK012497 | Torque teno procyo virus 3 | *Upsilontorquevirus procy3* | Anelloviridae sp. | *Procyon lotor* | Procyonidae |
| MK012464 | Torque teno procyo virus 7 | *Upsilontorquevirus procy7* | Anelloviridae sp. | *Procyon lotor* | Procyonidae |
| MK012467 | Torque teno procyo virus 8 | *Upsilontorquevirus procy8* | Anelloviridae sp. | *Procyon lotor* | Procyonidae |
| MK012471 | Torque teno procyo virus 9 | *Upsilontorquevirus procy9* | Anelloviridae sp. | *Procyon lotor* | Procyonidae |
| LC387546 | Torque teno viverrid virus 2 | *Upsilontorquevirus viver2* | Paguma larvata torque teno virus | *Paguma larvata* | Viverridae |
| MF541389 | Torque teno rodent virus 6 | *Wawtorquevirus crice1* | rodent torque teno virus 8 | *Oligoryzomys nigripes* | Cricetidae |
| HQ335084 | Torque teno arthrovec virus 2 | *Wawtorquevirus culic2* | mosquito VEM Anellovirus SDRB A | *Mosquitoes (mixed species)* | Culicidae |
| KJ194604 | Torque teno rodent virus 4 | *Wawtorquevirus murid2* | rodent torque teno virus 2 | *Apodemus sylvaticus* | Muridae |
| KM609325 | Torque teno rodent virus 5 | *Wawtorquevirus murid3* | rodent torque teno virus 2 | *Rattus norvegicus* | Muridae |
| MF541374 | Torque teno rodent virus 2 | *Wawtorquevirus crice2* | rodent torque teno virus 3 | *Akodon montensis* | Cricetidae |
| MF541388 | Torque teno rodent virus 3 | *Wawtorquevirus crice3* | rodent torque teno virus 7 | *Akodon montensis* | Cricetidae |
| MF541378 | Torque teno didelphi virus 1 | *Xitorquevirus didel1* | torque teno Didelphis albiventris virus | *Didelphis albiventris* | Didelphidae |
| KM434181 | Torque teno chiroptera virus 1 | *Xitorquevirus molos1* | torque teno Tadarida brasiliensis virus | *Tadarida brasiliensis* | Molossidae |
| LC387540 | Torque teno viverrid virus 1 | *Zayintorquevirus viver1* | Paguma larvata torque teno virus | *Paguma larvata* | Viverridae |
| LC387536 | Torque teno viverrid virus 5 | *Zayintorquevirus viver5* | Paguma larvata torque teno virus | *Paguma larvata* | Viverridae |
| AB041961 | Torque teno douroucouli virus | *Zetatorquevirus aotid1* | torque teno douroucouli virus | *Aotes trivirgatus* | Aotidae |
| M55918 | Chicken anemia virus | *Gyrovirus chickenanemia* | chicken anemia virus | *Gallus gallus domesticus* | Phasianidae |

**References**

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