This form should be used for all taxonomic proposals. Please complete all those modules that are applicable (and then delete the unwanted sections).

Code(s) assigned:	***2007.075a-xxV***	(to be completed by ICTV officers)

Short title: Create the family Anelloviridae containing 9 new genera and 47 new species
(e.g. 6 new species in the genus *Zetavirus*; re-classification of the family *Zetaviridae* etc.)

Modules attached (please check all that apply):	**1** ☐	**2** ☒	**3** ☐	**4** ☒	**5** ☒
	6 ☒	**7** ☐			

Author(s) with e-mail address(es) of the proposer:

Philippe Biagini on behalf of the Circoviridae-Anellovirus Study Group
(pbiagini-ets-ap@gulliver.fr)

ICTV-EC or Study Group comments and response of the proposer:

MODULE 2: **NEW FAMILY**

Code	***2007.075aV***	(assigned by ICTV officers)

To create a new family assigned to the order: *Unassigned*

Code	***2007.075bV***	(assigned by ICTV officers)

To name the new family: *Anelloviridae*

Code	***2007.075cV***	(assigned by ICTV officers)

To assign the following genera to the new family:

Alphatorquevirus
Betatorquevirus
Gammatorquevirus
Deltatorquevirus
Epsilontorquevirus
Zetatorquevirus
Etatorquevirus
Thetatorquevirus
Iotatorquevirus

[All new]

Code		(assigned by ICTV officers)

To assign the following species to be unassigned in the new family (i.e. within the family but not assigned to any genus):

.

Argument to justify the creation of a new family:

The floating genus *Anellovirus* potentially comprises a large and growing number of viruses that share a similar genome organization but are extremely variable in sequence. This prompts the raising of this taxon to that of family and the creation of new genera and species.

Origin of the new family name:

Anello is derived from latin “anello”, *the ring*, and relates to the circular nature of the DNA genome.

References:

Biagini, P., Todd, D., Bendinelli, M., Hino, S., Mankertz, A., Mishiro, S., Niel, C., Okamoto, H., Raidal, S., Ritchie, B.W & Teo, G.C. (2005). *Anellovirus*. In: *Virus Taxonomy*, VIIIth Report of the International Committee for the Taxonomy of Viruses (C.M. Fauquet, M.A. Mayo, J. Maniloff, U. Desselberger, and L.A. Ball, eds), 335-341. Elsevier/Academic Press, London.

Biagini, P., Uch, R., Belhouchet, M., Attoui, H., Cantaloube, J.F., Brisbarre, N. & de Micco, P. (2007). Circular genomes related to anelloviruses identified in human and animal samples using a combined rolling-circle amplification- sequence independent single primer amplification approach. *J Gen Virol* **88**, 2696-2701.

Jelcic, I., Hotz-Wagenblatt, A., Hunziker, A., Zur Hausen, H. & de Villiers, E. M. (2004). Isolation of multiple TT virus genotypes from spleen biopsy tissue from a Hodgkin's disease patient: genome reorganization and diversity in the hypervariable region. *J Virol* **78**, 7498-507.

Jones, M. S., Kapoor, A., Lukashov, V. V., Simmonds, P., Hecht, F. & Delwart, E. (2005). New DNA viruses identified in patients with acute viral infection syndrome. *J Virol* **79**, 8230-8236.

Ninomiya, M., Nishizawa T., Takahashi, M., Lorenzo, F.R., Shimosegawa, T. & Okamoto, H. (2007). Identification and genomic characterization of a novel human torque teno virus of 3.2 kb. *J Gen Virol* **88**, 1939-1944.

Nishizawa, T., Okamoto, H., Konishi, K., Yoshizawa, H., Miyakawa, Y. & Mayumi, M. (1997). A novel DNA virus (TTV) associated with elevated transaminase levels in posttransfusion hepatitis of unknown etiology. *Biochem Biophys Res Commun* **241**, 92-97.

Okamoto, H., Nishizawa, T., Tawara, A., Peng, Y., Takahashi, M., Kishimoto, J., Tanaka, T., Miyakawa, Y. & Mayumi, M. (2000). Species-specific TT viruses in humans and nonhuman primates and their phylogenetic relatedness. *Virology* **277**, 368-378.

Okamoto, H., Takahashi, M., Nishizawa, T., Tawara, A., Fukai, K., Muramatsu, U., Naito, Y. & Yoshikawa, A. (2002). Genomic characterization of TT viruses (TTVs) in pigs, cats and dogs and their relatedness with species-specific TTVs in primates and tupaias. *J Gen Virol* **83**, 1291-1297.

Peng, Y. H., Nishizawa, T., Takahashi, M., Ishikawa, T., Yoshikawa, A. & Okamoto, H. (2002). Analysis of the entire genomes of thirteen TT virus variants classifiable into the fourth and fifth genetic groups, isolated from viremic infants. *Arch Virol* **147**, 21-41.

Takahashi, K., Iwasa, Y., Hijikata, M. & Mishiro, S. (2000). Identification of a new human DNA virus (TTV-like mini virus, TLMV) intermediately related to TT virus and chicken anemia virus. *Arch Virol* **145**, 979-993.

Annexes:

The classification has to reflect the extensive variability existing between members of the proposed family.
The progressive discovery of highly divergent, complete *Anellovirus* genomes ranging from ~2 kb to ~4 kb in humans and other animals impairs a reliable phylogenetic and taxonomic analysis of full-length sequences. Based on these considerations, the analysis of the entire ORF1 (encoding the putative nucleocapsid protein) at the nucleotide level (ORF1-nt) is the most convenient approach.
Analysis of the distribution of pairwise comparisons (Figure 1) and the corresponding phylogenetic tree (Figure 2) facilitates identification of the levels of genera, species and subspecies. Based on the currently available data, a taxonomic classification is proposed with the following cut-off values for sequence divergence: genera >56%, species >35%.

Figure 1. Analysis of the distribution of pairwise comparisons in ORF1-nt (166 sequences).

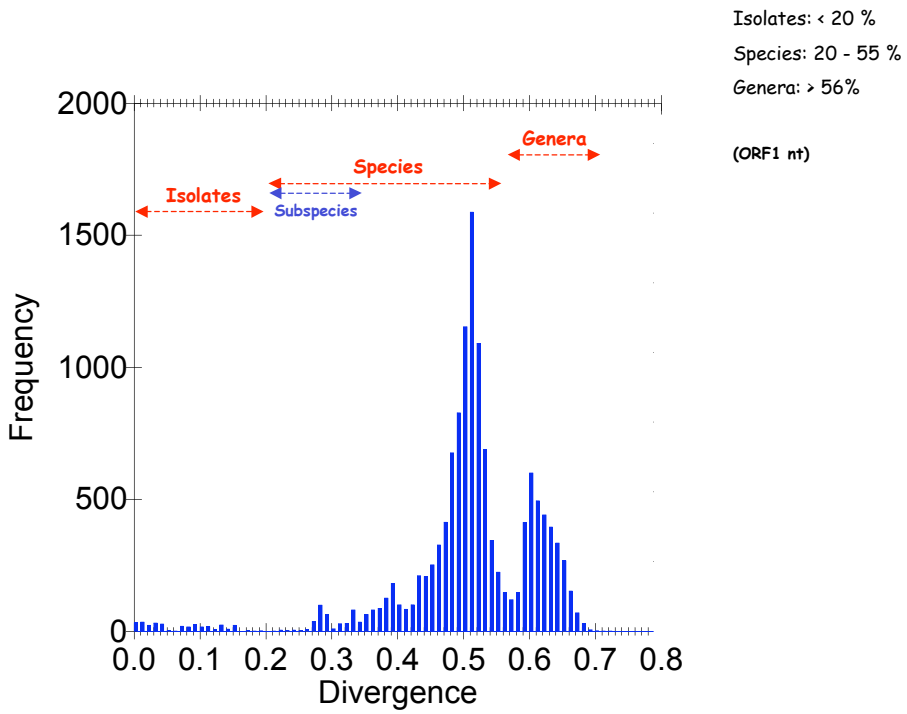
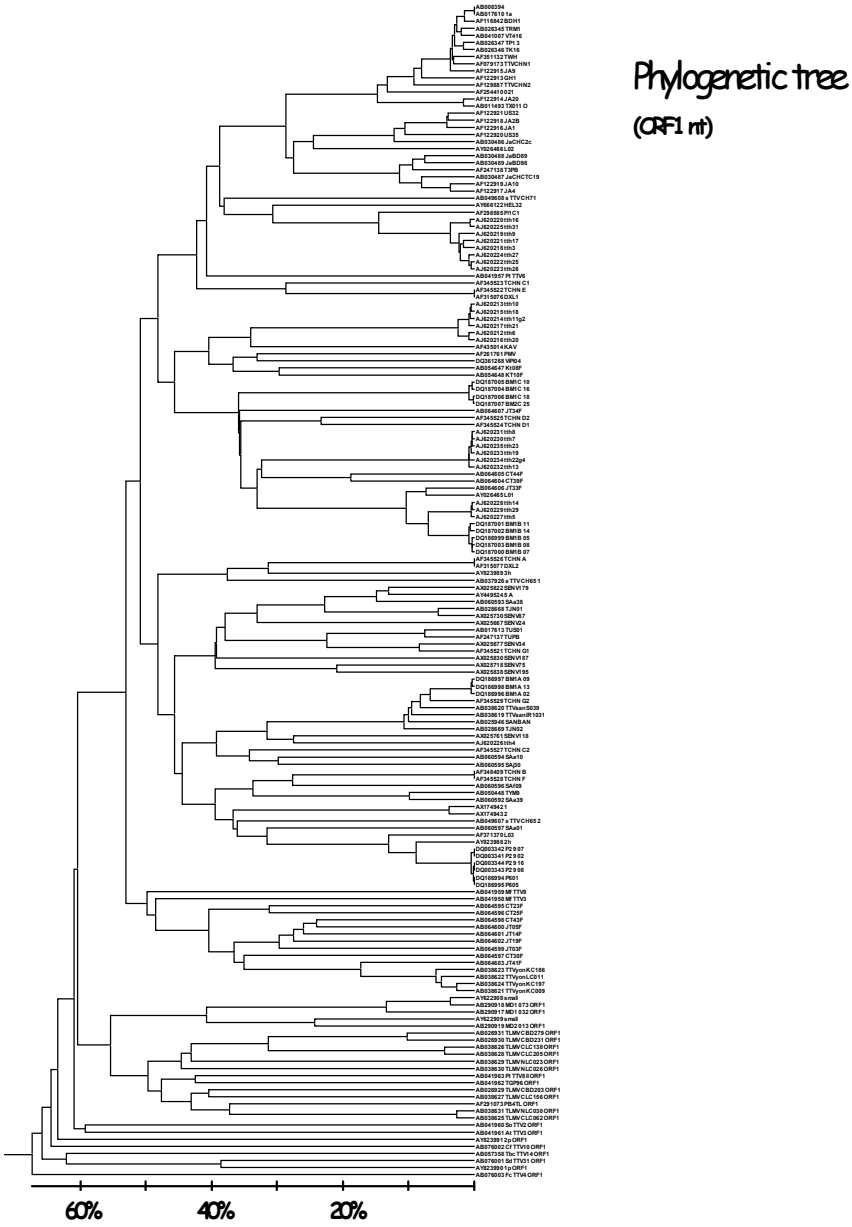


Figure 2. UPGMA phylogenetic tree built with ORF1-nt sequences.



ASSIGNMENT OF ACCESSION NUMBER TO TAXA

Alphatorquevirus

Torque teno virus 1	AB008394
Torque teno virus 2	AB049608
Torque teno virus 3	AY666122
Torque teno virus 4	AB041957
Torque teno virus 5	AF345523
Torque teno virus 6	AF435014
Torque teno virus 7	AF261761
Torque teno virus 8	AB054647
Torque teno virus 9	DQ187006
Torque teno virus 10	AB064607
Torque teno virus 11	AF345524
Torque teno virus 12	AB064605
Torque teno virus 13	AF345526
Torque teno virus 14	AB037926
Torque teno virus 15	AB028668
Torque teno virus 16	AB017613
Torque teno virus 17	AX025830
Torque teno virus 18	AX025718
Torque teno virus 19	AB025946
Torque teno virus 20	AB060594
Torque teno virus 21	AF348409
Torque teno virus 22	AX174942
Torque teno virus 23	AB049607
Torque teno virus 24	AB060597
Torque teno virus 25	AB041959
Torque teno virus 26	AB041958
Torque teno virus 27	AB064595
Torque teno virus 28	AB064598
Torque teno virus 29	AB038621

Betatorquevirus

Torque teno mini virus 1	AB026931
Torque teno mini virus 2	AB038629
Torque teno mini virus 3	AB038630
Torque teno mini virus 4	AB041963
Torque teno mini virus 5	AB041962
Torque teno mini virus 6	AB026929
Torque teno mini virus 7	AB038627
Torque teno mini virus 8	AF291073
Torque teno mini virus 9	AB038631

Gammatorquevirus

Torque teno midi virus 1	AB290918
Torque teno midi virus 2	AB290919

Deltatorquevirus

Torque teno tupaia virus	AB057358

Epsilontorquevirus

Torque teno tamarin virus	AB041960

Zetatorquevirus

Torque teno douroucouli virus	AB041961

Etatorquevirus

Torque teno felis virus	AB076003

Thetatorquevirus

Torque teno canis virus	AB076002

Iotatorquevirus

Torque teno sus virus 1	AB076001
Torque teno sus virus 2	AY823990

NB: The nucleotide sequence AY823991 also identified in swine presents an extreme sequence divergence compatible with the creation of a tenth genus. However, it is proposed to keep it as an unassigned virus in the genus *Iotatorquevirus* until further data have been collected in swine species.

MODULE 4: **NEW GENUS**

Code	***2007.075dV***	(assigned by ICTV officers)

To create a new genus assigned as follows:

Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Code	***2007.075eV***	(assigned by ICTV officers)

To name the new genus: *Alphatorquevirus*

Code	***2007.075fV***	(assigned by ICTV officers)

To assign the following as species in the new genus:

Torque teno virus 1
Torque teno virus 2
Torque teno virus 3
Torque teno virus 4
Torque teno virus 5
Torque teno virus 6
Torque teno virus 7
Torque teno virus 8
Torque teno virus 9
Torque teno virus 10
Torque teno virus 11
Torque teno virus 12
Torque teno virus 13
Torque teno virus 14
Torque teno virus 15
Torque teno virus 16
Torque teno virus 17
Torque teno virus 18
Torque teno virus 19
Torque teno virus 20
Torque teno virus 21
Torque teno virus 22
Torque teno virus 23
Torque teno virus 24
Torque teno virus 25
Torque teno virus 26
Torque teno virus 27
Torque teno virus 28
Torque teno virus 29

[All new]

Code	*2007.075gV*	(assigned by ICTV officers)

To designate the following as the type species in the new genus:

Torque teno virus 1

Argument to justify the creation of a new genus:

See Module 2.

Origin of the new genus name:

Torque is derived from latin "torques", *the necklace*, and relates to the circular, single-stranded nature of the DNA genome. *Teno* is derived from latin "tenuis", *thin*, and relates to the small size of the viral genome.

Argument to justify the choice of type species:

First numbered in series.

Species demarcation criteria in the genus:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 4: **NEW GENUS**

Code	***2007.075hV***	(assigned by ICTV officers)

To create a new genus assigned as follows:

Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Code	***2007.075iV***	(assigned by ICTV officers)

To name the new genus: *Betatorquevirus*

Code	***2007.075jV***	(assigned by ICTV officers)

To assign the following as species in the new genus:

Torque teno mini virus 1
Torque teno mini virus 2
Torque teno mini virus 3
Torque teno mini virus 4
Torque teno mini virus 5
Torque teno mini virus 6
Torque teno mini virus 7
Torque teno mini virus 8
Torque teno mini virus 9

[All new]

Code	***2007.075kV***	(assigned by ICTV officers)

To designate the following as the type species in the new genus:

Torque teno mini virus 1

Argument to justify the creation of a new genus:

See Module 2.

Origin of the new genus name:

Torque is derived from latin “torques”, *the necklace*, and relates to the circular, single-stranded nature of the DNA genome. *Teno* is derived from latin “tenuis”, *thin*, and relates to the small size of the viral genome. *Mini* is derived from latin “minimus”, *small*, and relates to the smaller size of the genomes related phylogenetically, when compared to those of *Torque teno virus* members.

Argument to justify the choice of type species:

First numbered in series.

Species demarcation criteria in the genus:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 4: **NEW GENUS**

Code	***2007.075lV***	(assigned by ICTV officers)

To create a new genus assigned as follows:

Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Code	***2007.075mV***	(assigned by ICTV officers)

To name the new genus: *Gammatorquevirus*

Code	***2007.075nV***	(assigned by ICTV officers)

To assign the following as species in the new genus:

Torque teno midi virus 1
Torque teno midi virus 2

[Both new]

Code	***2007.075oV***	(assigned by ICTV officers)

To designate the following as the type species in the new genus:

Torque teno midi virus 1

Argument to justify the creation of a new genus:

See Module 2.

Origin of the new genus name:

Torque is derived from latin "torques", *the necklace*, and relates to the circular, single-stranded nature of the DNA genome. *Teno* is derived from latin "tenuis", *thin*, and relates to the small size of the viral genome. *Midi* is derived from latin "medius", *intermediate*, and relates to the intermediate size of the genomes related phylogenetically, when compared to those of *Torque teno virus* and *Torque teno mini virus* members.

Argument to justify the choice of type species:

First numbered in series.

Species demarcation criteria in the genus:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 4: **NEW GENUS**

Code	***2007.075pV***	(assigned by ICTV officers)

To create a new genus assigned as follows:

Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Code	***2007.075qV***	(assigned by ICTV officers)

To name the new genus: *Deltatorquevirus*

Code	***2007.075rV***	(assigned by ICTV officers)

To assign the following as species in the new genus:

Torque teno tupaia virus

[New]

Code	***2007.075sV***	(assigned by ICTV officers)

To designate the following as the type species in the new genus:

Torque teno tupaia virus

Argument to justify the creation of a new genus:

See Module 2.

Origin of the new genus name:

Torque is derived from latin "torques", *the necklace*, and relates to the circular, single-stranded nature of the DNA genome. *Teno* is derived from latin "tenuis", *thin*, and relates to the small size of the viral genome. *Tupaia* relates to the animal species in which the virus was first identified.

Argument to justify the choice of type species:

First species in the genus.

Species demarcation criteria in the genus:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 4: **NEW GENUS**

(if more than one genus is to be created, please complete additional copies of this section)

Code	***2007.075tV***	(assigned by ICTV officers)

To create a new genus assigned as follows:

Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Code	***2007.075uV***	(assigned by ICTV officers)

To name the new genus: *Epsilontorquevirus*

Code	***2007.075vV***	(assigned by ICTV officers)

To assign the following as species in the new genus:

Torque teno tamarin virus

[New]

Code	***2007.075wV***	(assigned by ICTV officers)

To designate the following as the type species in the new genus:

Torque teno tamarin virus

Argument to justify the creation of a new genus:

See Module 2.

Origin of the new genus name:

Torque is derived from latin "torques", *the necklace*, and relates to the circular, single-stranded nature of the DNA genome. *Teno* is derived from latin "tenuis", *thin*, and relates to the small size of the viral genome. *Tamarin* relates to the animal species in which the virus was first identified.

Argument to justify the choice of type species:

First species in the genus.

Species demarcation criteria in the genus:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 4: **NEW GENUS**

Code	***2007.075xV***	(assigned by ICTV officers)

To create a new genus assigned as follows:

Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Code	***2007.075yV***	(assigned by ICTV officers)

To name the new genus: *Zetatorquevirus*

Code	***2007.075zV***	(assigned by ICTV officers)

To assign the following as species in the new genus:

Torque teno douroucouli virus

[New]

Code	***2007.075aaV***	(assigned by ICTV officers)

To designate the following as the type species in the new genus:

Torque teno douroucouli virus

Argument to justify the creation of a new genus:

See Module 2.

Origin of the new genus name:

Torque is derived from latin "torques", *the necklace*, and relates to the circular, single-stranded nature of the DNA genome. *Teno* is derived from latin "tenuis", *thin*, and relates to the small size of the viral genome. *Douroucouli* relates to the animal species in which the virus was first identified.

Argument to justify the choice of type species:

First species in the genus.

Species demarcation criteria in the genus:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 4: **NEW GENUS**

Code	***2007.075bbV***	(assigned by ICTV officers)

To create a new genus assigned as follows:

Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Code	***2007.075ccV***	(assigned by ICTV officers)

To name the new genus: *Etatorquevirus*

Code	***2007.075ddV***	(assigned by ICTV officers)

To assign the following as species in the new genus:

Torque teno felis virus

[New]

Code	***2007.075eeV***	(assigned by ICTV officers)

To designate the following as the type species in the new genus:

Torque teno felis virus

Argument to justify the creation of a new genus:

See Module 2.

Origin of the new genus name:

Torque is derived from latin “torques”, *the necklace*, and relates to the circular, single-stranded nature of the DNA genome. *Teno* is derived from latin “tenuis”, *thin*, and relates to the small size of the viral genome. *Felis* relates to the animal species in which the virus was first identified.

Argument to justify the choice of type species:

First species in the genus.

Species demarcation criteria in the genus:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 4: **NEW GENUS**

Code	***2007.075ffV***	(assigned by ICTV officers)

To create a new genus assigned as follows:

Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Code	***2007.075ggV***	(assigned by ICTV officers)

To name the new genus: *Thetatorquevirus*

Code	***2007.075hhV***	(assigned by ICTV officers)

To assign the following as species in the new genus:

Torque teno canis virus

[New]

Code	***2007.075iiV***	(assigned by ICTV officers)

To designate the following as the type species in the new genus:

Torque teno canis virus

Argument to justify the creation of a new genus:

See Module 2.

Origin of the new genus name:

Torque is derived from latin "torques", *the necklace*, and relates to the circular, single-stranded nature of the DNA genome. *Teno* is derived from latin "tenuis", *thin*, and relates to the small size of the viral genome. *Canis* relates to the animal species in which the virus was first identified.

Argument to justify the choice of type species:

First species in the genus.

Species demarcation criteria in the genus:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 4: **NEW GENUS**

(if more than one genus is to be created, please complete additional copies of this section)

Code	***2007.075jjV***	(assigned by ICTV officers)

To create a new genus assigned as follows:

Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Code	***2007.075kkV***	(assigned by ICTV officers)

To name the new genus: *Iotatorquevirus*

Code	***2007.075llV***	(assigned by ICTV officers)

To assign the following as species in the new genus:

Torque teno sus virus 1
Torque teno sus virus 2

[Both new]

Code	***2007.075mmV***	(assigned by ICTV officers)

To designate the following as the type species in the new genus:

Torque teno sus virus 1

Argument to justify the creation of a new genus:

See Module 2.

Origin of the new genus name:

Torque is derived from latin "torques", *the necklace*, and relates to the circular, single-stranded nature of the DNA genome. *Teno* is derived from latin "tenuis", *thin*, and relates to the small size of the viral genome. *Sus* relates to the animal species in which the viruses were first identified.

Argument to justify the choice of type species:

First numbered in series.

Species demarcation criteria in the genus:

See Module 2.

References:

References:

See Module 2.

Annexes:

See Module 2.

MODULE 5: **NEW SPECIES**

Code	***2007.075nnV***	(assigned by ICTV officers)

To create 29 new species assigned as follows:

Genus:	***Alphatorquevirus***
Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Name(s) of proposed new species:

Torque teno virus 1
Torque teno virus 2
Torque teno virus 3
Torque teno virus 4
Torque teno virus 5
Torque teno virus 6
Torque teno virus 7
Torque teno virus 8
Torque teno virus 9
Torque teno virus 10
Torque teno virus 11
Torque teno virus 12
Torque teno virus 13
Torque teno virus 14
Torque teno virus 15
Torque teno virus 16
Torque teno virus 17
Torque teno virus 18
Torque teno virus 19
Torque teno virus 20
Torque teno virus 21
Torque teno virus 22
Torque teno virus 23
Torque teno virus 24
Torque teno virus 25
Torque teno virus 26
Torque teno virus 27
Torque teno virus 28
Torque teno virus 29

Argument to justify the creation of the new species:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 5: **NEW SPECIES**

Code	***2007.075ooV***	(assigned by ICTV officers)

To create 9 new species assigned as follows:

Genus:	***Betatorquevirus***
Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Name(s) of proposed new species:

Torque teno mini virus 1
Torque teno mini virus 2
Torque teno mini virus 3
Torque teno mini virus 4
Torque teno mini virus 5
Torque teno mini virus 6
Torque teno mini virus 7
Torque teno mini virus 8
Torque teno mini virus 9

Argument to justify the creation of the new species:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 5: **NEW SPECIES**

Code	***2007.075ppV***	(assigned by ICTV officers)

To create 1 new species assigned as follows:

Genus:	***Gammatorquevirus***
Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Name(s) of proposed new species:

Torque teno midi virus 1
Torque teno midi virus 2

Argument to justify the creation of the new species:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 5: **NEW SPECIES**

Code	*2007.075qqV*	(assigned by ICTV officers)

To create 1 new species assigned as follows:

Genus:	***Deltatorquevirus***
Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Name(s) of proposed new species:

Torque teno tupaia virus

Argument to justify the creation of the new species:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 5: **NEW SPECIES**

Code	***2007.075rrV***	(assigned by ICTV officers)

To create 1 new species assigned as follows:

Genus:	***Epsilontorquevirus***
Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Name(s) of proposed new species:

Torque teno tamarin virus

Argument to justify the creation of the new species:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 5: **NEW SPECIES**

Code	***2007.075ssV***	(assigned by ICTV officers)

To create 1 new species assigned as follows:

Genus:	***Zetatorquevirus***
Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Name(s) of proposed new species:

Torque teno douroucouli virus

Argument to justify the creation of the new species:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 5: **NEW SPECIES**

Code	***2007.075ttV***	(assigned by ICTV officers)

To create 1 new species assigned as follows:

Genus:	***Etatorquevirus***
Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Name(s) of proposed new species:

Torque teno felis virus

Argument to justify the creation of the new species:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 5: **NEW SPECIES**

Code	***2007.07uu5V***	(assigned by ICTV officers)

To create 1 new species assigned as follows:

Genus:	***Thetatorquevirus***
Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Name(s) of proposed new species:

Torque teno canis virus

Argument to justify the creation of the new species:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 5: **NEW SPECIES**

Code	***2007.075vvV***	(assigned by ICTV officers)

To create 2 new species assigned as follows:

Genus:	***Iotatorquevirus***
Subfamily:	***Unassigned***
Family:	***Anelloviridae***
Order:	***Unassigned***

Name(s) of proposed new species:

Torque teno sus virus 1
Torque teno sus virus 2

Argument to justify the creation of the new species:

See Module 2.

References:

See Module 2.

Annexes:

See Module 2.

MODULE 6: **REMOVE and MOVE**

SECTION (a)

Code	*2007.075wwV*	(assigned by ICTV officers)

To remove (abolish) the following taxon(s):

Anellovirus

Old and new composition of the higher taxon that will be depleted by the removal:

No higher taxon.

Argument to justify the removal:

Creation of new family, new genera and new species.

Code	*2007.075xxV*	(assigned by ICTV officers)

To remove (abolish) the following taxon(s):

Torque teno virus

Old and new composition of the higher taxon that will be depleted by the removal:

Genus *Anellovirus* and one species therein removed. Genus promoted to new family. Single species replaced by 47 new species.

Argument to justify the removal:

Creation of new family, new genera and new species.