This form should be used for all taxonomic proposals. Please complete all those modules that are applicable (and then delete the unwanted sections). For guidance, see the notes written in blue and the separate document “Help with completing a taxonomic proposal.”

Please try to keep related proposals within a single document; you can copy the modules to create more than one genus within a new family, for example.

**MODULE 1: TITLE, AUTHORS, etc**

- **Code assigned:** 2011.002aV
- **(to be completed by ICTV officers)**

<table>
<thead>
<tr>
<th>Modules attached</th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Short title: New names for 2 species in the genus Iotatorquevirus (family Anelloviridae) (e.g. 6 new species in the genus Zetavirus)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Modules attached (modules 1 and 9 are required)</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

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

Philippe Biagini
philippe.biagini@efs.sante.fr / pbiagini-ets-ap@gulliver.fr

**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 (fungal, invertebrate, plant, prokaryote or vertebrate viruses)

Anelloviridae – Circoviridae SG

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

- **Date first submitted to ICTV:** 28 / 01 / 2011
- **Date of this revision (if different to above):** 20 October 2011
- **Next revision – deletion of proposal to change change of proposed species name from Torque teno sus virus 3 to Torque teno sus virus 2, in line with changes to 2010.005aV, which now will name this species Torque teno sus virus k2.**
Module 8: Non-Standard

Template for any proposal not covered by modules 2-7. This includes proposals to change the name of existing taxa (but note that stability of nomenclature is encouraged wherever possible).

Non-standard proposal

<table>
<thead>
<tr>
<th>Code</th>
<th>2011.002aV (assigned by ICTV officers)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title of proposal:</td>
<td>New names for 2 species in the genus Iotatorquevirus (family Anelloviridae)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Text of proposal</th>
<th>GenBank sequence accession number(s) of reference isolate:</th>
</tr>
</thead>
<tbody>
<tr>
<td>In the genus Iotatorquevirus, change the name of species Torque teno sus virus 1 to Torque teno sus virus 1a</td>
<td>AB076001</td>
</tr>
<tr>
<td>In the genus Iotatorquevirus, change the name of species Torque teno sus virus 2 to Torque teno sus virus 1b</td>
<td>AY823990</td>
</tr>
</tbody>
</table>

Reasons to justify the taxonomic changes:

Sequences belonging to the family Anelloviridae harbor a high degree of genetic diversity in humans and in some animal species as well.

Anellovirus sequences identified in swine are currently described by two distinct genera, Iotatorquevirus and Kappatorquevirus, according to demarcation criteria defined previously:

# Genus Iotatorquevirus comprises two type species:
- Torque teno sus virus 1 (virus name abbreviation TTSuV1)  AB076001
- Torque teno sus virus 2 (TTSuV2)  AY823990

# A proposal was made in mid-2010 (2010.005) in order to create a novel genus, Kappatorquevirus, with a highly divergent type species:
- Torque teno sus virus 3 (TTSuV3)  AY823991

This has since been modified to Torque teno sus virus k2.

The purpose of this proposal is to modify names of two species.

The new proposed names are:

# In genus Iotatorquevirus:
- Torque teno sus virus 1a (TTSuV1a)  AB076001
- Torque teno sus virus 1b (TTSuV1b)  AY823990
Additional material in support of this proposal

References:


Annex:
Include as much information as necessary to support the proposal, including diagrams comparing the old and new taxonomic orders. The use of Figures and Tables is strongly recommended but direct pasting of content from publications will require permission from the copyright holder together with appropriate acknowledgement as this proposal will be placed on a public web site. For phylogenetic analysis, try to provide a tree where branch length is related to genetic distance.

Host: Domestic pig.

Sequences: anellovirus sequences identified in this host.

A phylogenetic tree (p-distance / Neighbor-joining method) is shown (Figure 1); based on full ORF1 nt sequences available currently. Cut-off values for sequence divergence are: species > 35%, genera > 56% (current criteria demarcating species and genera in the family Anelloviridae).

A detailed phylogenetic analysis was provided previously for the description of genus Iotatorquevirus.
Figure 1. Neighbor-joining phylogenetic tree built with ORF1-nt sequences.

(Type species are marked with an asterisk).