



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**

<b>Code assigned:</b>	<b>2011.007aB</b>	(to be completed by ICTV officers)			
<b>Short title:</b> In the genus "N4-like viruses" (proposed name <i>N4likevirus</i> ), family <i>Podoviridae</i> , change the name of species <i>Enterobacteria phage N4</i> to <i>Escherichia phage N4</i> (e.g. 6 new species in the genus <i>Zetavirus</i> )					
<b>Modules attached</b> (modules 1 and 9 are required)	1 <input checked="" type="checkbox"/> 6 <input type="checkbox"/>	2 <input type="checkbox"/> 7 <input type="checkbox"/>	3 <input type="checkbox"/> 8 <input checked="" type="checkbox"/>	4 <input type="checkbox"/> 9 <input checked="" type="checkbox"/>	5 <input type="checkbox"/>

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

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**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)

Prokaryote SG

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

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Date first submitted to ICTV:

Date of this revision (if different to above):

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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

Code	<b>2011.007aB</b>	(assigned by ICTV officers)
<b>Title of proposal:</b> In the genus “N4-like viruses” (proposed name <i>N4likevirus</i> ), family <i>Podoviridae</i> , change the name of species <i>Enterobacteria phage N4</i> to <i>Escherichia phage N4</i>		

**Text of proposal:**

In the genus “N4-like viruses”, family *Podoviridae*, change the name of species *Enterobacteria phage N4* to *Escherichia phage N4*

**Reasons to justify proposal:**

**Rationale:**

Records of proceedings of past EC meetings suggest that the species name *Enterobacteria phage N4*, as currently listed in the Master Species List and 8<sup>th</sup> Report, is incorrect, the approved name being *Escherichia coli bacteriophage N4* (see historical background, below). Another problem with the name *Enterobacteria phage N4* is potential ambiguity, there being five phages infecting different hosts all which have been named ‘N4’ in published, peer-reviewed articles (RL email 15/04/11). We now propose to revert to the earlier, more informative (and, we believe, more authentic) name but omitting ‘*coli*’. This omission is to be consistent with analogous species names that include part of the host name.

**Historical background:**

The name *Escherichia coli bacteriophage N4* was proposed in <2002.144-146B.02.Podoviridae>. This comprised the following elements:

2002.144B.02 to establish a new Genus, within the Family *Podoviridae*, Order *Caudovirales*

2002.145B.02 to provisionally call this new genus ‘N4-like viruses’

2002.146B.02 to designate *Escherichia coli bacteriophage N4* (N4) as the Type Species of the new Genus.

According to the minutes of the 33rd Meeting of the Executive Committee, 2<sup>nd</sup> to 4<sup>th</sup> May 2003, this proposal was approved (9 for, 2 against, 2 abstention). The new name, *Escherichia coli bacteriophage N4*, superseded an earlier name, *Coliphage N4*, which had been accepted by the EC29 in 2001.

How the species *Escherichia coli bacteriophage N4* came to be incorrectly listed as *Enterobacteria phage N4* in the 8<sup>th</sup> Report (and hence also in the MSL) is a mystery. The name was proposed in proposal <2007.132-135B.01.N4-like genus> but by 2007 the 8<sup>th</sup> Report had already been published and, in any case, this proposal was immediately withdrawn (Minutes of the 39th meeting of the Executive Committee, June 21-23, 2007).

MODULE 9: **APPENDIX**: supporting material

additional material in support of this proposal

**References:**

(extracted from proposal <2002.144-146B.02.Podoviridae>)

Giraldi, M., Toni, M., Schito, G.C. 1973. Structural proteins of coliphage N4. *Virology*, 55, 476-482.

Kiino, D.R., Rothman-Denes, L.B. 1988. Bacteriophage N4. In: *The Bacteriophages*, vol. 1, R. Calendar, ed., Plenum Press, New York, 475-494.

Rothman-Denes, L.B. 1995. DNA supercoiling, DNA hairpins and single-stranded DNA binding proteins in bacteriophage N4 transcription regulation. *Sem. Virol.*, 6, 15-23.

**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.