



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:** **2008.031B.01** (to be completed by ICTV officers)

**Short title:** new species C1 within the 44AHJD-like genus  
(e.g. 6 new species in the genus *Zetavirus*; re-classification of the family *Zetaviridae* etc.)

**Modules attached**  
(please check all that apply):

1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4	<input type="checkbox"/>	5	<input checked="" type="checkbox"/>
6	<input type="checkbox"/>	7	<input type="checkbox"/>						

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

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## MODULE 5: NEW SPECIES

Code	<b>2008.031B.01</b>	(assigned by ICTV officers)
<b>To create new species assigned as follows:</b>		
Genus:	<i>The 44AHJD-like viruses</i>	Fill in all that apply. Ideally, species should be placed within a genus, but it is acceptable to propose a species that is within a Subfamily or Family but not assigned to an existing genus (in which case put "unassigned" in the genus box)
Subfamily:	<i>Picovirinae</i>	
Family:	<i>Podoviridae</i>	
Order:	<i>Caudovirales</i>	

### Name(s) of proposed new species:

*Streptococcus* phage C1

### Argument to justify the creation of the new species:

If the species are to be assigned to an existing genus, list the criteria for species demarcation and explain how the proposed members meet these criteria.

C(1), a lytic bacteriophage infecting group C streptococci, is one of the earliest-isolated phages, and the method of bacterial classification known as phage typing was defined by using this bacteriophage. C(1) genome consists of a linear double-stranded DNA molecule of 16,687 nucleotides with 143-bp inverted terminal repeats. Examination of the C(1) DNA polymerase suggests that this phage utilizes a protein-primed mechanism of replication, which is prominent in the Picovirinae. Comparative genomics revealed no close evolutionary matches, the closest being 44AHJD.

### References:

Nelson D, Schuch R, Zhu S, Tscherne DM, Fischetti VA. (2003) Genomic sequence of C1, the first streptococcal phage. J Bacteriol. 2003 Jun;185(11):3325-32.

### Annexes:

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