



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: **2008.025B** (to be completed by ICTV officers)

Short title: create species named Burkholderia phage BcepC6B within the genus "Bpp1-like viruses" in the family Podoviridae

(e.g. 6 new species in the genus *Zetavirus*; re-classification of the family *Zetaviridae* etc.)

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

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

MODULE 5: NEW SPECIES

Code	2008.025B	(assigned by ICTV officers)
To create new species assigned as follows:		
Genus:	“Bpp1-like viruses”	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:		
Family:	<i>Podoviridae</i>	
Order:	<i>Caudovirales</i>	

Name(s) of proposed new species:

Burkholderia phage BcepC6B

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.

The genome of Burkholderia phage BcepC6B is 42,415 nt ([NC_005887](#)) and has an overall GC content of 65%. Of the 46 predicted gene products, 40% show proteomic correlation to BPP-1 and no genome-wide DNA homology is present. BcepC6B and BPP-1 share the presence of genes specifying DNA polymerase I, a helicase, and repressors. No genome wide DNA homology to other phages. Furthermore, it infects a different host from *Bordetella* phage BPP-1.

References:

Summer EJ, Gill JJ, Leal P, Christianson B, Hall J, Das A, Robinson S, Marsico E, Gonzalez, CF, Young R (2009) BcepC6B and BcepCrmp novel podophage of the Burkholderia cepacia complex. Manuscript in preparation

Annexes:

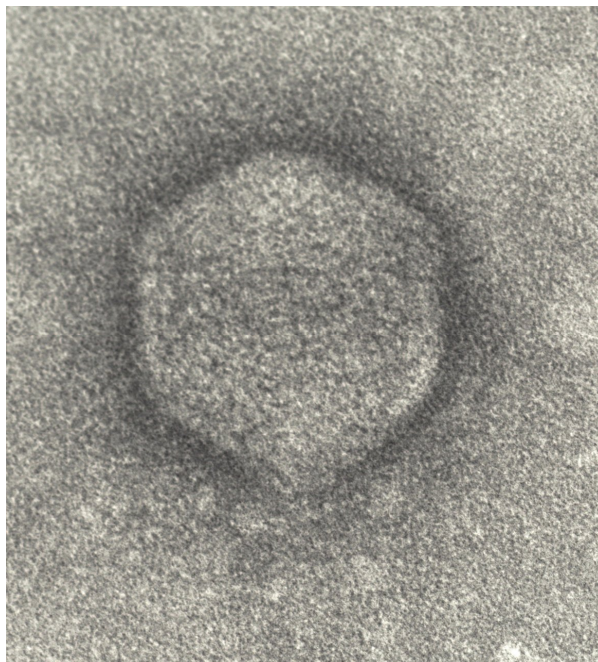


Figure 1: Electron micrograph of a BcepB6C particle.
