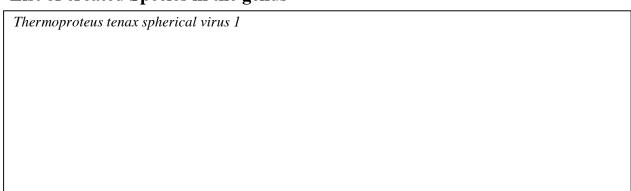
Template for Taxonomic Proposal to the ICTV Executive Committee Creating Species in an existing genus

Code [†] 2007.085B.04	To designate the following as species in the genus:	
	Glo	bulovirus
	belonging to the family : Glo	buloviridae
	Thermoproteus tenax spherical virus 1	
†Assigned by ICTV officers		
° leave blank if inappropriate or in the case of an unassigned genus Author(s) with email address(es) of the Taxonomic Proposal		
prangish@pasteur.fr		
Old Taxonomic Order	•	
Family Globuloviridae	?	
Genus Globulovirus Type Species Pyrobaculum spherical virus		
Species in the Genus Pyrobaculum spherical virus		
Tentative Species in the Go Unassigned Species in the		
New Taxonomic Orde	r	
Order Family <i>Globulovirida</i>	2	
Genus Globulovirus		
Type Species Species in the Genus	Pyrobaculum spherical virus Pyrobaculum spherical virus	
species in the Genus	Thermoproteus tenax spherical virus	1
Tentative Species in the Go		
Unassigned Species in the ICTV-EC comments a	amily none and response of the SG	
	-	

Species demarcation criteria in the genus

Demarcation criteria between the species in the genus is the host range and nucleotide sequence of the genome.		
Argumentation to justify the designation of new species in the genus		
Thermoproteus tenax spherical virus 1 differs from the other known member of the genus Globulovirus, Pyrobaculum spherical virus, by host range, virion size, as well as by size and nucleotide sequence of the genome. It replicates in hyperthermophilic archaeon Thermoproteus tenax, wheas for other member of the genus infects hyperthermophilic archaeon from the genus Pyrobaculum. Among 38 putative genes of Thermoproteus tenax spherical virus 1, only 15 genes have homologs on the genome of the Pyrobaculum spherical virus.		

List of created Species in the genus



References

Ahn, D. G., Kim, S. I., Rhee, J. K., Kim, K. P., Pan, J. G., Oh, J. W. 2006 TTSV1, a new virus-like particle isolated from the hyperthermophilic crenarchaeote *Thermoproteus tenax*. *Virology*, 351, 280-290.

Annexes:

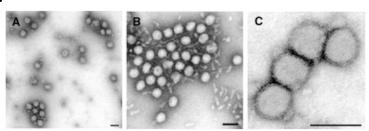


Fig. 1. Transmission electron microscopy of TTSV1. Virus particles obtained by PEO precipitation of a culture supernatura (A), by ultracentrifugation of a culture supernatura (B), and by ultracentrifugation in a sucrose density gradient were stained with 2% uranyl acetate and observed by a transmission electron microscope. Scale bars indicate 100 nm.