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

		Parvovirus		
	belonging to the family°:	Parvoviridae		
	Feline parvovirus (FPV) Canine parvovirus (CPV) Raccoon parvovirus (RPV) Mink enteritis virus (MEV)			
Code <sup>†</sup> <b>2003.216V.01</b>	To designate the following viruses as strains in the species:			
		Feline Panleukopenia virus (FPV)		
	belonging to the genus°:	Parvovirus		
	Feline panleukopenia virus (FPV) Canine parvovirus (CPV) Raccoon parvovirus (RPV) Mink enteritis virus (MEV)			
7.7	Raccoon parvovirus ( Mink enteritis virus (M	RPV) IEV) nassigned genus		
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° leave blank if inapp  Author(s) with emai  Peter Tattersall, chair of peter.tattersall@yale.e  New Taxonomic Order Family Subfamily Genus Type Species List of Species	Raccoon parvovirus ( Mink enteritis virus (N officers ropriate or in the case of an u l address(es) of the Taxe of the Parvoviridae Study-Cedu der  Parviviridae  Parvovirinae  Parvovirinae  Parvovirus  Minute v es in the genus	RPV) nassigned genus nonomic Proposal Group  irus of mice eline Panleukopenia virus		
° leave blank if inapp  Author(s) with emai  Peter Tattersall, chair of peter.tattersall@yale.e  New Taxonomic Order  Family  Subfamily  Genus  Type Species  List of Species	Raccoon parvovirus ( Mink enteritis virus (N  officers ropriate or in the case of an u  l address(es) of the Taxo  of the Parvoviridae Study-O  du  der  Parviviridae  Parvovirinae  Parvovirus  Minute v  es in the genus  in the Species  Feline pan  Canine pa  Raccoon p  Mink ente	RPV) nassigned genus nonomic Proposal Group		

### Species demarcation criteria in the genus

Criteria used to distinguish among species include DNA sequence relatedness, biological host range and differences in structural protein antigenicity. In general, isolates within a species differ by less than 5% in nucleotide sequence for the major non-structural protein, whereas isolates from species within a genus differ by >10% to 50%. In general, members of an individual species are confined to a single natural host species, but this is not invariant, as strains may exist within a viral species that infect different species of host animal. Strains within a species efficiently cross-neutralize, whereas isolates from individual species are serologically distinct from those of other species.

## Argument to justify the removal of species in the genus

There are no such separate entities as Feline parvovirus (FPV) and Feline Panleukopenia virus (FPLV), this is an error in the last version of the book. They are both the same, and the SG suggests the retention of the original descriptor, Feline panleukopenia virus. The canine, raccoon parvoviruses and the mink enteritis virus are very closely related to the feline panleukopenia virus at the nucleotide sequence level (>99.2% for NS1) and are antigenically cross-neutralizing. Over the past decade or more, considerable evidence has accumulated that the former viruses are "species-jumping" tropism mutants of the long-established FPV. Since they do not differ from one another by any of the species demarcation criteria, we propose that they should

# List of created Species in the genus

none			

#### References

Truyen, U., Gruenberg, A., Chang, S. F., Obermaier, B., Veijalainen, P. & Parrish, C. R. 1995 Evolution of the feline-subgroup parvoviruses and the control of canine host range in vivo. J. Virol., 69, 4702-10.