

Supplementary material

Table S1: Comparison of AlsPV and PIV5 untranslated regions and intergenic regions. Differences between AlsPV and PIV5 are in bold and lowercase.

			Length	Boundary Sequence
N	5' UTR	AlsPV	102	AGGCCCGGAA
		PIV5	96	AGG u CCGGAA
	3' UTR	AlsPV	106	UUUAAGAAAAAA
		PIV5	106	UUUAA ag AAAAAA
	IGR	AlsPV	1	
		PIV5	1	
P	5'UTR	AlsPV	61	AGGCCCGGAC
		PIV5	61	AGGCCCGGAC
	3'UTR	AlsPV	66	UUUAGAAAAAA
		PIV5	66	UUUAGAAAAAA
	IGR	AlsPV	33	
		PIV5	16	
M	5'UTR	AlsPV	33	AGGCCCGAAC
		PIV5	32	AG c CC ga A ca
	3'UTR	AlsPV	211	UUCAAAGAAAAa
		PIV5	204	UUCAAAGAAAA
	IGR	AlsPV	22	
		PIV5	23	
F	5' UTR	AlsPV	28	AGCACGAATC
		PIV5	28	AGCACGA A cC
	3' UTR	AlsPV	60	UUUAAGAAAAAA
		PIV5	100	UUUAAGAAAAAA a
	IGR	AlsPV	5	
		PIV5	4	
SH	5' UTR	AlsPV	79	AGGACCGAAC
		PIV5	79	AGGACCGAAC
	3' UTR	AlsPV	72	UUUUAAAGAAAAAA
		PIV5	78	UUUUAA ag AAAAAA
	IGR	AlsPV	1	
		PIV5	1	
HN	5' UTR	AlsPV	67	AGGCCCGAAC
		PIV5	67	AGGCCCGAAC
	3' UTR	AlsPV	111	UUUAAGAAAAA a
		PIV5	111	UUUAAGAAAAA
	IGR	AlsPV	13	
		PIV5	13	
L	5' UTR	AlsPV	8	AGGCCAGA
		PIV5	8	AGGCCAGA
	3' UTR	AlsPV	34	UUUAAGAAAAAA
		PIV5	34	UUUAAGAAAAAA

Table S2: Comparative growth analysis of AlsPV in multiple mammalian cell lines at 120 h post infection. Significant differences calculated by two-way ANOVA followed by Bonferroni adjustment in GraphPad Prism 5. Non-significant p values represented by ‘ns’.

	MDBK	MDCK	PK15a	Vero	PaKi	HeLa
MDBK						
MDCK	ns					
PK15a	p<0.01	ns				
Vero	p<0.001	p<0.001	p<0.05			
PaKi	p<0.001	p<0.001	p<0.05	ns		
HeLa	p<0.001	p<0.001	p<0.05	ns	ns	

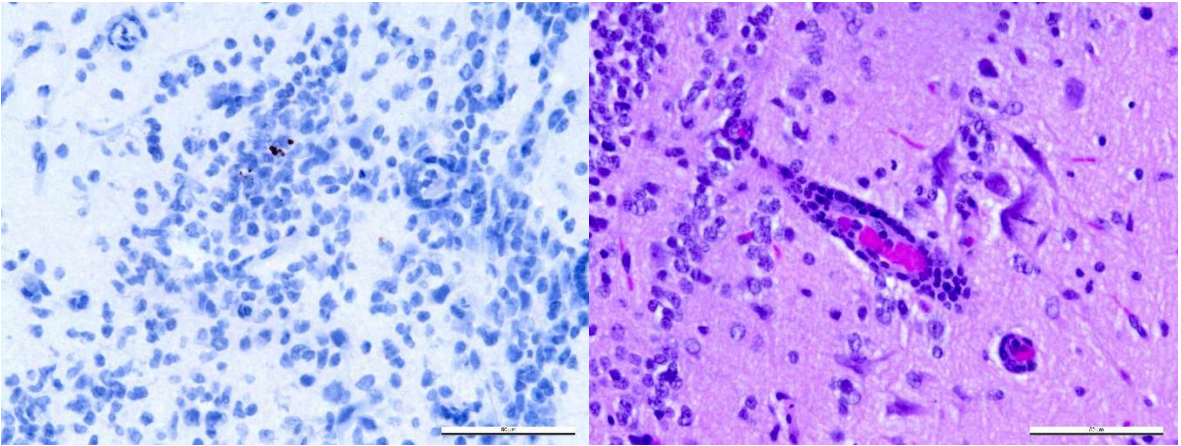


Figure S1: Immunohistochemical and histopathological analysis of olfactory bulb of ferret at 10 days post infection with AlsPV. Olfactory bulb of ferret #10, euthanised on day 10 post infection, was (a) stained with rabbit antiserum against the N protein peptide of AlsPV and (b) assessed by routine H&E staining. Panel (b) shows perivascular cuffing with mononuclear cells, indicating an inflammatory process consistent with viral infection.