

Supplementary Table 5. Aminoacid positions and variations in the N-terminus VP1 gene of the repository isolates (2009 - 2019) and recent CPV strains (2023).

Aminoacid positions	Aminoacid variations	2009- 2019 repository isolates (11)	2023 recent CPV strains (18)
25	Ser25→Ile	1	7
30	Glu30→Lys		3
37	Ala37→Pro		1
43	Asp43→Asn		2
44	Glu44→Lys		3
45	Ala45→Ser		3
47	Ala47→Pro		2
64	Asp64→Asn		1
82	Gly82→Glu	1	-
83	Leu83→His		15
84	Tyr84→Phe		3
87	Arg87→Lys		5
95	Leu95→Val/Ala	3	12
116	Lys116→Thr		3
120	His120→Leu		3