

**Supplementary Table 6. Aminoacid positions and variations in the VP2 gene of the repository isolates (2009 - 2019) and recent CPV strains (2023).**

| <b>Aminoacid positions</b> | <b>Aminoacid variations</b> | <b>2009- 2019 repository isolates (11)</b> | <b>2023 recent CPV strains (18)</b> |
|----------------------------|-----------------------------|--------------------------------------------|-------------------------------------|
| 101                        | Ile→Thr                     | 11                                         | 18                                  |
| 189                        | Ala→Ser                     | -                                          | 1                                   |
| 190                        | Met→Ile                     | -                                          | 1                                   |
| 219                        | Val→Ile                     | 11                                         | 18                                  |
| 267                        | Phe→Tyr                     | 10                                         | 18                                  |
| 286                        | Gly→Ser                     | -                                          | 1                                   |
| 297                        | Ser→Ala                     | 11                                         | 18                                  |
| 300                        | Ala→Gly                     | 11                                         | 18                                  |
| 305                        | Asp→Tyr                     | 11                                         | 18                                  |
| 324                        | Tyr→Ile                     | 10                                         | 16                                  |
| 370                        | Gln→Arg                     | -                                          | 17                                  |
| 375                        | Asn→Asp                     | 11                                         | 18                                  |
| 386                        | Lys→Gln                     | 11                                         | 18                                  |
| 401                        | Ile→Met                     | 1                                          | -                                   |
| 426                        | Asn→Glu                     | -                                          | 18                                  |
| 440                        | Thr→Ala                     | 10                                         | -                                   |
| 582                        | Lys→Asn                     | -                                          | 1                                   |