**Table S1: Primers used for site-directed mutagenesis**

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| Primers for Megaprimers | Changes  | Name |
| **Plasmids for the Transient expression assay, introducing Leader (W52A) substitution**  |
| SG31\_Fw: CCACGACAACTGCgcGTTGAACGCC14TPN6\_Rev: CAAACAGGTGCTTCTTGAAAAATCTTTC | Leader (W52A) TGG->GCG | P1-2A (wt) |
| **Plasmids for the Transient expression assay, introducing Stop codons (truncations) in VP1, note that all constructs contains the Leader (W52A) substitution** |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK41\_R: GAGCAAATCGAAGTTttattaTTGTTTTGC | 2A L1StopStop (CTTTTG-> TAATAA) | P1-2A (2A L1Stop) |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK40\_R: AAGTTGTTTTGCAGGttattaGATCTTCTG | VP1 I205StopStop (ATTGCA -> TAATAA) | P1-2A (VP1 I205Stop) |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK39\_R: ATCTTCTGTTTGTGttattaTTGAGACGAC | VP1 D199StopStop (GACAGA -> TAATAA) | P1-2A (VP1 D199Stop) |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK38\_R: CAACAGTGGTCTGGGttattaGAGTTCGGC | VP1 Y185StopStop (TACTGC -> TAATAA)  | P1-2A (VP1 Y185Stop) |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK37\_R: AAGTTGAAAGAAGCttattaCTGAGCGGCG | VP1 L158StopStop (CTTCCT -> TAATAA) | P1-2A (VP1 L158Stop) |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK36\_R: AATGGTGCCTTGAGttattaGGTGGGGTTG | VP1 A107StopStop (GCCTAC -> TAATAA) | P1-2A (VP1 A107Stop) |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK35\_R: TGTTGGTGGGTTTGttattaGTCAATGACA | VP1 L53StopStop (CTCATG -> TAATAA) | P1-2A (VP1 L53Stop) |
| **Plasmids for the Transient expression assay, introducing small deletions in the VP1 C-terminus between VP1 185 and VP1 199 , note that all constructs contains the Leader (W52A) substitution** |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK42\_R: TGATCTTCTGTTTGTGTC**TG**AGTTCGGCACGC |  | **P1-2A** **(VP1 Δ185-199)** |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK43\_R: ACACCTCCACTGCCAACA**GG**AGTTCGGCACGCT |  | **P1-2A (VP1 Δ185-189)** |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK44\_R: TTGAGACGACACCTCCA**CG**GGGCAGTAGAGT |  | **P1-2A** **(VP1 Δ188-192)** |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK45\_R: TTGTGTCTGTCTTGAGACG**AC**AGTGGTCTGG |  | **P1-2A (VP1 Δ191-195)** |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK46\_R: ATGATCTTCTGTTTGTGTC**TC**TCCACTGCCAA |  | **P1-2A** **(VP1 Δ194-199)** |
| 14TPN9\_Fw: ATCCATGCTGAGTGGGACACAG1PTK47\_R: AGCAGGAAGCTGAGCGG**CC**GTACCACCTGCGGA |  | **P1-2A** **(VP1 Δ142-154)** **Positive control** |

Small letters = Nucleotide changes. Bold = Deletion between the two bold nucleotides.