

Table S1. Reactivity of monoclonal antibodies (mAbs) to the three genotype recombinant VP4* antigens

| Clone | Subclass | Means | EC ₅₀ (µg/mL) * | | |
|--------|----------|-------|-----------------------------|------------|------------|
| | | | P[4]-VP4 * | P[6]-VP4 * | P[8]-VP4 * |
| 7E3 | IgG2a | ELISA | 1.124 | >100 | 97.01 |
| 5F6 | IgG2b | ELISA | 1.29 | 23.18 | 21.27 |
| 5D8 | IgG1 | ELISA | 0.01 | >100 | >100 |
| 1E9 | IgG1 | ELISA | >100 | 0.04 | >100 |
| 3D4 | IgG1 | ELISA | >100 | 0.27 | >100 |
| 18E1 | IgG2b | ELISA | 22.21 | 15.8 | 0.52 |
| 2C5 | IgG1 | ELISA | 35.26 | 87.32 | 0.31 |
| 6C6 | IgG2b | ELISA | >100 | >100 | 0.47 |
| 15D9 | IgG2b | ELISA | 31.62 | 26.3 | 1.32 |
| 5F10-1 | IgG1 | ELISA | 33.2 | 39.62 | 0.18 |

* The binding activity of mAbs to VP4 protein belonging to different P genotype. The EC₅₀ value for each mAb combination was shown. Sample with no reactivity are indicated by ">100" (the highest tested mAb concentration).