

Table S1. Genetic difference in the genome DNA of ASFV isolated in PAM and IPKM cells.

| Gene | Position ^a | AQS-C-1-21 | | AQS-C-1-22 | | AQS-P-20901-1 | | AQS-P-201202 | |
|------------------|-----------------------|------------|----------|-----------------------|-------------|----------------|---------------|--------------|---------------|
| | | PAM | IPKM | PAM | IPKM | PAM | IPKM | PAM | IPKM |
| NCR ^b | 426 | CCCC | CCCC | <u>C</u> ^c | <u>CCCC</u> | CC | CC | CCCC | CCCC |
| MGF 110-14L | 13265-70 | <u>AC</u> | <u>A</u> | <u>CCCCCCC</u> | <u>A</u> | ACCCCC | ACCCCC | <u>ACCCC</u> | <u>ACCCCC</u> |
| MGF 110-13L | 14708 | CCCC | CCCC | CCCC | CCCC | - ^d | - | <u>C</u> | - |
| NCR | 16664 | GG | GG | - | <u>GG</u> | <u>G</u> | - | G | G |
| NCR | 16877 | G | G | - | <u>G</u> | - | - | - | - |
| NCR | 19032-37 | ----- | ----- | <u>GGGGGG</u> | ----- | <u>GGGGG</u> | <u>GGGGGG</u> | <u>GGGG</u> | <u>G</u> |
| NCR | 20835-37 | --- | --- | <u>GGG</u> | --- | <u>GGGG</u> | <u>GGG</u> | GGGGG | GGGGG |
| G1340L | 110729 | G | G | <u>A</u> | <u>G</u> | G | G | G | G |

a: Nucleotide position number is based on the sequence of the ASFV Pig/HLJ/2018.

b: NCR is an abbreviation for non-coding region.

c: Under bars show the nucleotide differences between PAM and IPKM passaged viruses.

d: The bars indicate the nucleotide deletion compared with ASFV Pig/HLJ/2018.