**Supplementary Figure 1**

Detailed map and sequence of modified plasmid pFastBac-CMV-ie1-pr.

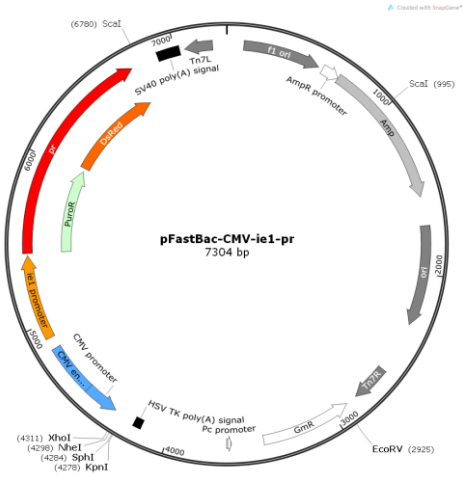
multiple cloning site

CMV enhancer + CMV promoter

WSSV ie1 promoter

PuroR (puromycin N-acetyltransferase)

DsRed

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**Supplementary Figure 2**

Detailed map and sequence of modified plasmid pFastBac-ie1-CMV-pf.

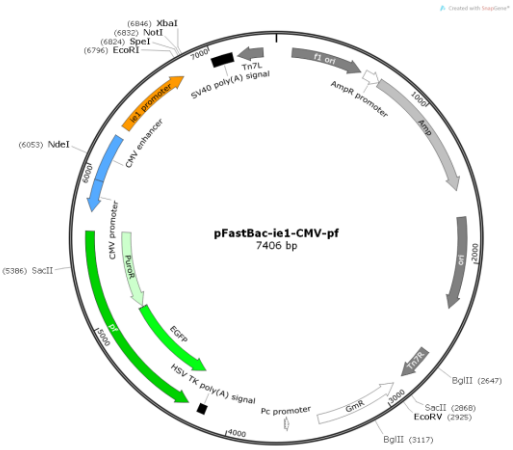
EGFP

PuroR (puromycin N-acetyltransferase)

CMV enhancer + CMV promoter

WSSV ie1 promoter

multiple cloning site

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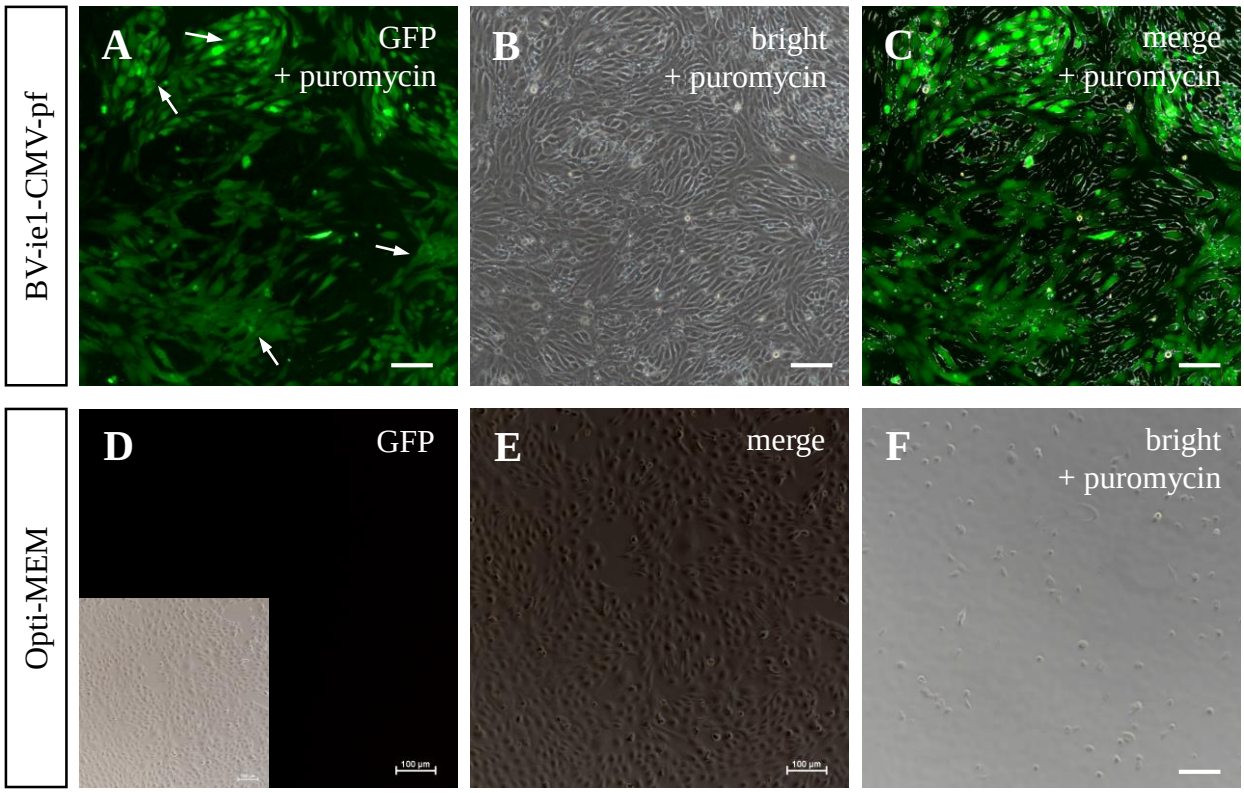
**Supplementary Figure 3**




**Supplementary Figure 3.** ZF4 cells transduced with modified baculovirus BV-ie1-CMV-pf. (**A-C**), ZF4 cell transducted with BV-ie1-CMV-pf where a puromycin-egfp (*pf*) cassette was driven by a CMV promoter at a MOI of 32.5, and cells were treated with 1 μg/mL puromycin continuously for 3 days after 2 days post-transduction. Cells grown quite well under the selection pressure, and arrows indicated that GFP positive cells were in clusters and becoming stable. (**D**, **E**), ZF4 cells treated with opit-MEM medium, (**F**), and selected with 1 μg/mL puromycin for 2 days. The expression of GFP was observed under an inverted fluorescence microscope. Scale bar = 100 μm.

**Supplementary Table.** Primers used in this study.

| Gene/Cassette | Accession number. | Forward primer/Reverse primer (5'-3') | | Tm | Size (bp) |
|---|---|---|---|---|---|
| WSSV ie1 promoter | AF369029.2 | PIE1F | gctgctagcaccatgg**ctcgag**TGTGGCTAATGGAGAATTG | 52 | 501 |
| | | PIE1R | tcgacgtaggcctt**gaattc**CTTGAGTGGAGAGAGAGC | 53 | |
| CMV promoter 1 | | PMF | agcaccatgg**ctcgag**GATCTGACGGTTCACTAAACGA | 57 | 621 |
| | | PMR | taatcggtgtgagctGATCAATAATTATCATTAGTTAATGCCC | 54 | |
| CMV-pf | | PPF | ctcccccatctcccgCTTTACTTGTACAGCTCGTC | 53 | 2046 |
| | | PPR | taatcggtgtgagctGATCAATAATTATCATTAGTTAATGCCC | 54 | |
| *oct4* | KY994571 | Oct4F | ccgtcagatcctcgaATGACGGAGAGACCGCAGAGC | 63 | 1468 |
| | | Oct4R | gtcaccgcatgttagaagacttcctctgccctcGCTGGTGAGGTGACCCACCA | 64 | |
| *sox2* | KY994572 | Sox2F | ctaacatgcggtgacgtggaggagaatcccggccctATGTACAACATGATGGAAACCG | 56 | 1001 |
| | | Sox2R | ctcccccatctcccgTTACATATGCGATAAGGGAATCGT | 57 | |
| *klf4* | KY994573 | Klf4F | gctaccggactcagATGAGGCAGCCACCAAGTGAG | 62 | 1322 |
| | | Klf4R | agctgtggtgaattcagggccgggattctcctccacgtcaccgcatgttagaagacttcctctgccctcTAGGTGCCGTTTCATGTGC | 58 | |
| CMV promoter 2 | | CMVF | agtacatcaagtgtatcata**gcggccgc**TAGTTATTAATAGTAATCAATT | 60 | 638 |
| | | CMVR | ctcacttggtggctgcctcatCTGAGTCCGGTAGC | 58 | |
| *oct4-detect* | KY994571 | Oct4-F | ACTGTACTTCGGCACATTCGT | 59 | 400 |
| | | Oct4-R | GCGCTCGGAAACTTGTATGGC | 61 | |
| *sox2-detect* | KY994572 | Sox2-F | TCATGCCGTAGCCTCCGTTG | 62 | 385 |
| | | Sox2-R | TCAAGAGACCCATGAACGCCTT | 61 | |
| *klf4-detect* | KY994573 | Klf4-F | CCTGCGTATCTTCAGTCCAC | 57 | 399 |
| | | Klf4-R | GCGGAAAGCCAGAGTAACCC | 60 | |
| *myc-detect* | KY994574 | Myc-F | ACGACTACGATTCCTACCAGC | 58 | 312 |
| | | Myc-R | ACCCGCTCCACATACAGTCC | 61 | |
| *β-actin* | NM_001104808 | Actin-F | CATGTACCCTGGCATTGCT | 57 | 382 |
| | | Actin-R | CTCCCCTGTTAGACAACTACCTC | 58 | |
| *pr* | | Pr-F | TGAACGGCCACGAGTTCGAGA | 63 | 221 |
| | | Pr-R | GCGCTCCCACTTGAAGCCCTC | 65 | |

Capital letters indicated the oligonucleotides specific binding to the templates. The underscores were the sites for restriction digest.