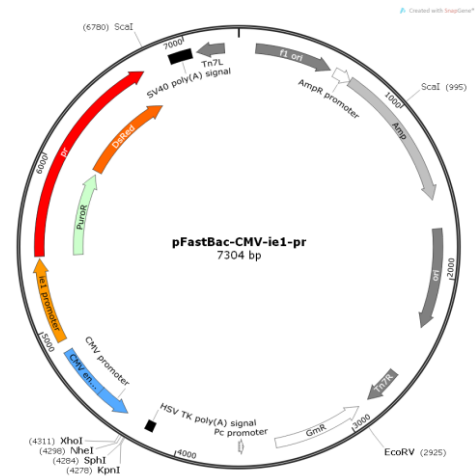


Supplementary Figure 1

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.

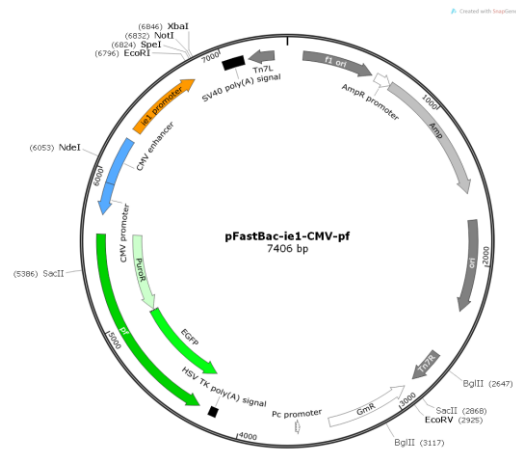
EGFP

PuroR (puromycin N-acetyltransferase)

CMV enhancer + CMV promoter

WSSV *ie1* promoter

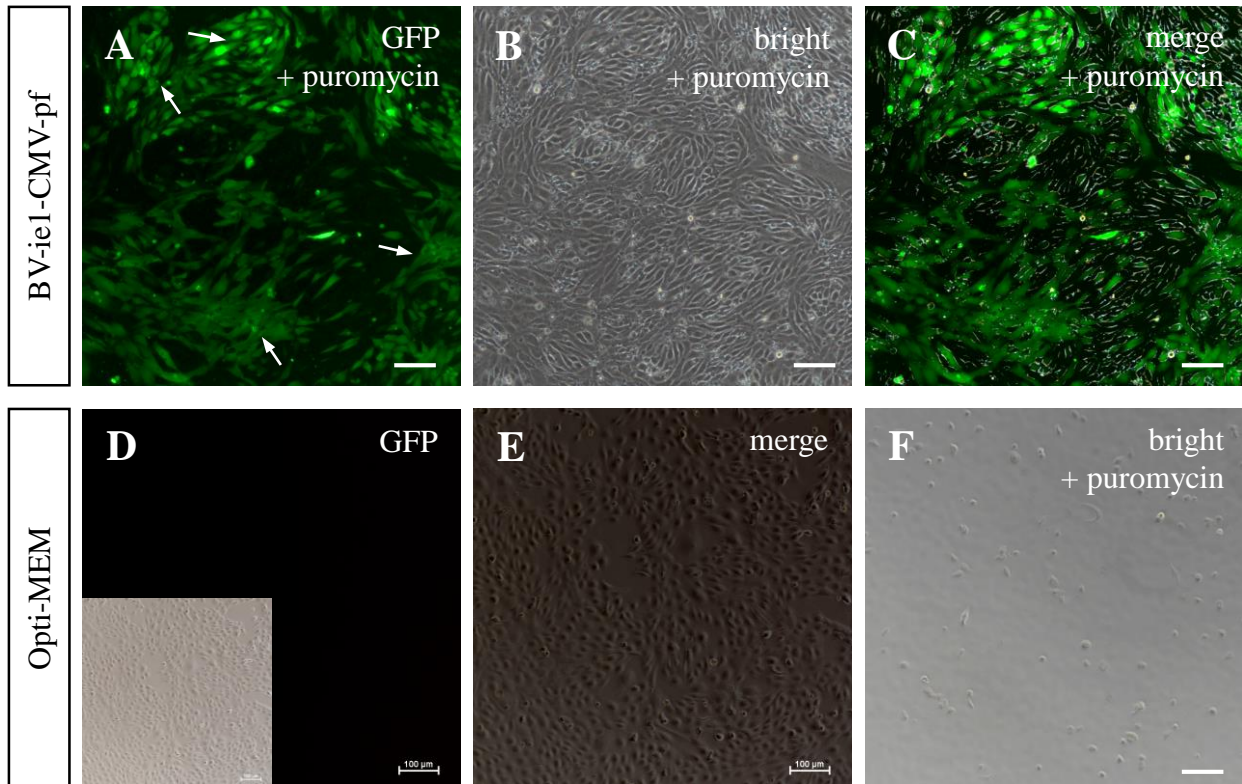
multiple cloning site



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Supplementary Figure 3



Supplementary Figure 3. ZF4 cells transduced with modified baculovirus BV-ie1-CMV-pf. (A-C), ZF4 cell transduced 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 $\mu\text{g}/\text{mL}$ 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 opti-MEM medium, (F), and selected with 1 $\mu\text{g}/\text{mL}$ 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)
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		PIE1R	tcgacgtaggcctttgaattcCTTGAGTGGAGAGAGAGC	53	
CMV promoter 1		PMF	agcaccatggctcagGATCTGACGGTTCACTAAACGA	57	621
		PMR	taatcggtgtgagctGATCAATAATTATCATTAGTTAATGCCC	54	
CMV-pf		PPF	ctccccatctcccgCTTTACTTGTACAGCTCGTC	53	2046
		PPR	taatcggtgtgagctGATCAATAATTATCATTAGTTAATGCCC	54	
<i>oct4</i>	KY994571	Oct4F	ccgtcagatcctcgaATGACGGAGAGACCGCAGAGC	63	1468
		Oct4R	gtcaccgcatgttagaagacttctctgcctcGCTGGTGAGGTGACCCACCA	64	
<i>sox2</i>	KY994572	Sox2F	ctaacatgcggtgacgtggaggagaatcccggcctATGTACAACATGATGGAAACCG	56	1001
		Sox2R	ctccccatctcccgTTACATATGCGATAAGGGAATCGT	57	
<i>klf4</i>	KY994573	Klf4F	gctaccggactcagATGAGGCAGCCACCAAGTGAG	62	1322
		Klf4R	agctgtgtgaattcagggccgggattctctccacgtcaccgcatgttagaagacttctctgcctcTAGGTGCCGTTTCATGTGC	58	
CMV promoter 2		CMVF	agtacatcaagtgtatcatagcggccgcTAGTTATTAATAGTAATCAATT	60	638
		CMVR	ctcacttggtggtgcctcatCTGAGTCCGGTAGC	58	
<i>oct4-detect</i>	KY994571	Oct4-F	ACTGTACTTCGGCACATTCGT	59	400
		Oct4-R	GCGCTCGGAACTTGTATGGC	61	
<i>sox2-detect</i>	KY994572	Sox2-F	TCATGCCGTAGCCTCCGTTG	62	385
		Sox2-R	TCAAGAGACCCATGAACGCCTT	61	
<i>klf4-detect</i>	KY994573	Klf4-F	CCTGCGTATCTTCAGTCCAC	57	399
		Klf4-R	GCGGAAAGCCAGAGTAACCC	60	
<i>myc-detect</i>	KY994574	Myc-F	ACGACTACGATTCCTACCAGC	58	312
		Myc-R	ACCCGCTCCACATACAGTCC	61	
β -actin	NM_001104808	Actin-F	CATGTACCCTGGCATTGCT	57	382
		Actin-R	CTCCCCTGTTAGACAACCTACCTC	58	
<i>pr</i>		Pr-F	TGAACGGCCACGAGTTCGAGA	63	221
		Pr-R	GCGCTCCCCTTGAAGCCCTC	65	

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