Electronic Supplementary Material

Construction and Characterization of A Novel Bacmid AcBac-Syn Based on A Synthesized Baculovirus Genome

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Supplementary Table S1 The primers used in this research

Name	Sequence [a]	Product size / bp
pGF-F-*Kan*	5'-GTCTGGATCTGATCACTGCTTGAGCCTAGGAG*CCTTAGG*TTCGCCAAAAGTTGGCCCAG-3'	8641
pGF-R-*egfp*	5'-GCGGCCGCTCCGGAATTCTAGAAGGATCGAATATAACTTCGTATAATGTATGCTATACG-3'	
***Kan*-F**	5'-CTTCGTATAGCATACATTATACGAAGTTATATTCGATCCTTCTAGAATTCCGGAGCGGC-3'	2154
***LacZ*-R**	5'-CGGCCAGAGAAATTTCTCGAGTACAACATTTTGCGCACGGTTATGT-3'	
***egfp*-F**	5'-CATAACCGTGCGCAAAATGTTGTACTCGAGAAATTTCTCTGGCCGTT-3'	1471
***egfp*-R**	5'-GAAGCCCTGGGCCAACTTTTGGCGAA*CCTAAGG*CTCCTAGGCTCAAGCAGTGATCAGAT-3'	
pGF(K)-F-Bac1	5'-TATATACCTCAAAATATTTCACATTTTTGCATCATCGTAAAATATACATG*CCTTAGG*TTCGCCAAAAGTTGGCCCAG-3'	12197
pGF(K)-R-Bac1	5'-TATTGTAAAAAATATTACACGTTGTTTCATTGACGTCACAAAATTT*CCTAAGG*CTCCTAGGCTCAAGCAGTGATCAGAT-3'	

[a] primer pairs of pGF-F-*Kan* & pGF-R-*egfp*, *Kana*-F & *LacZ*-R and *egfp*-F & *egfp*-R were used for constructing pGF(K)-*egfp* plasmid; each primer contained 23-37 nt hook sequences of neighbor fragment marked by shadow; a *Bsu*36Ⅰ site in the middle of primer pGF-F-*Kana* and *egfp*-R was in. pGF(K)-F-Bac1 and pGF(K)-R-Bac1 primers contains 3 parts, sequences identical or complementary to that of AcMNPV were marked by shadow, the *Bsu*36Ⅰ site were in bold and underlined, and the rest unmarked were sequences identical or complementary to that of the vector pGF(K)-*egfp*.