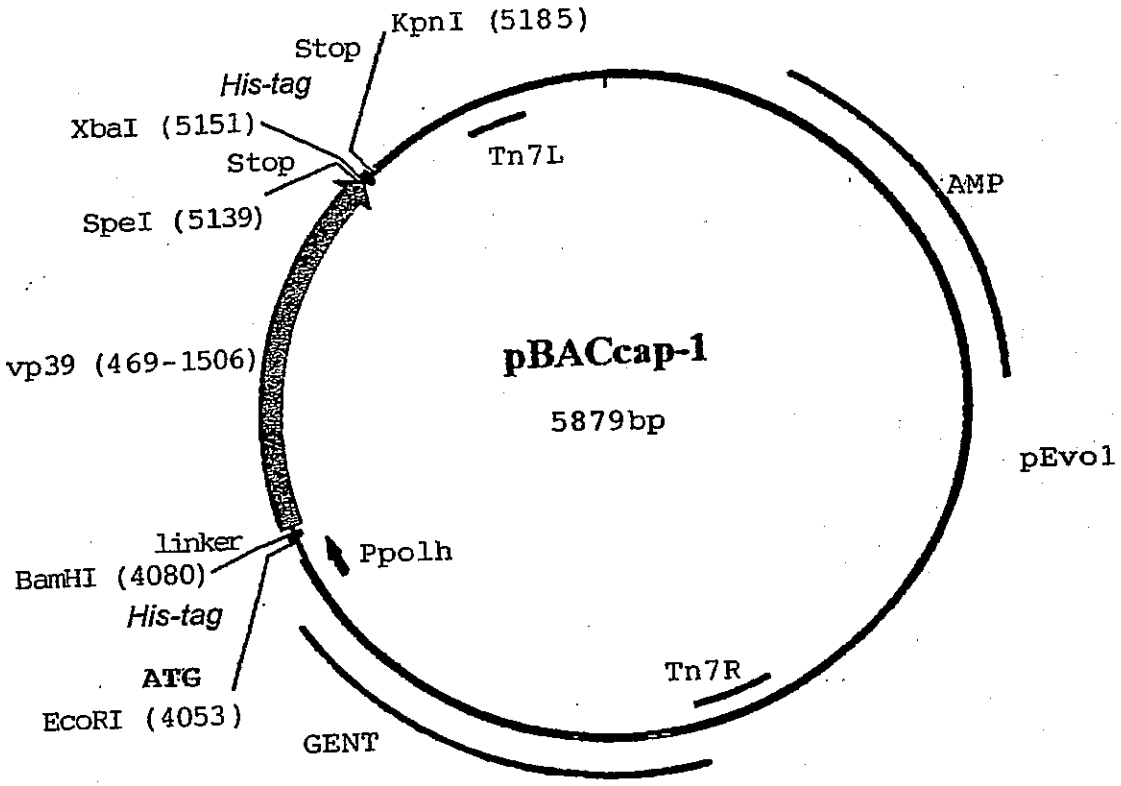

KpnI (5185)
Stop
His-tag
XbaI (5151)
Stop
SpeI (5139)
Tn7L
AMP
vp39 (469-1506)
pBACcap-1
5879bp
pEvo1
linker
BamHI (4080)
His-tag
ATG
EcoRI (4053)
Ppolh
Tn7R
GENT

FIG. 1

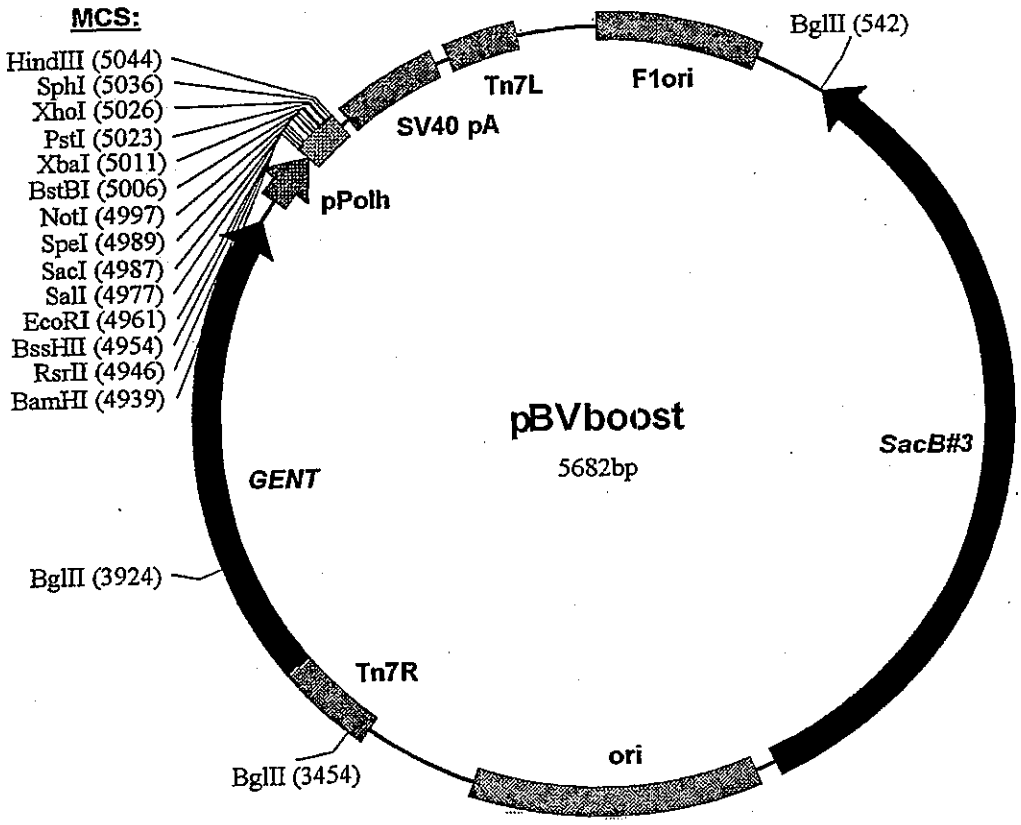

MCS:
HindIII (5044)
SphI (5036)
XhoI (5026)
PstI (5023)
XbaI (5011)
BstBI (5006)
NotI (4997)
SpeI (4989)
SacI (4987)
SalI (4977)
EcoRI (4961)
BssHII (4954)
RsrII (4946)
BamHI (4939)
Tn7L
F1ori
BglII (542)
SV40 pA
pPolh
pBVboost
5682bp
SacB#3
GENT
BglII (3924)
Tn7R
ori
BglII (3454)

Figure 2

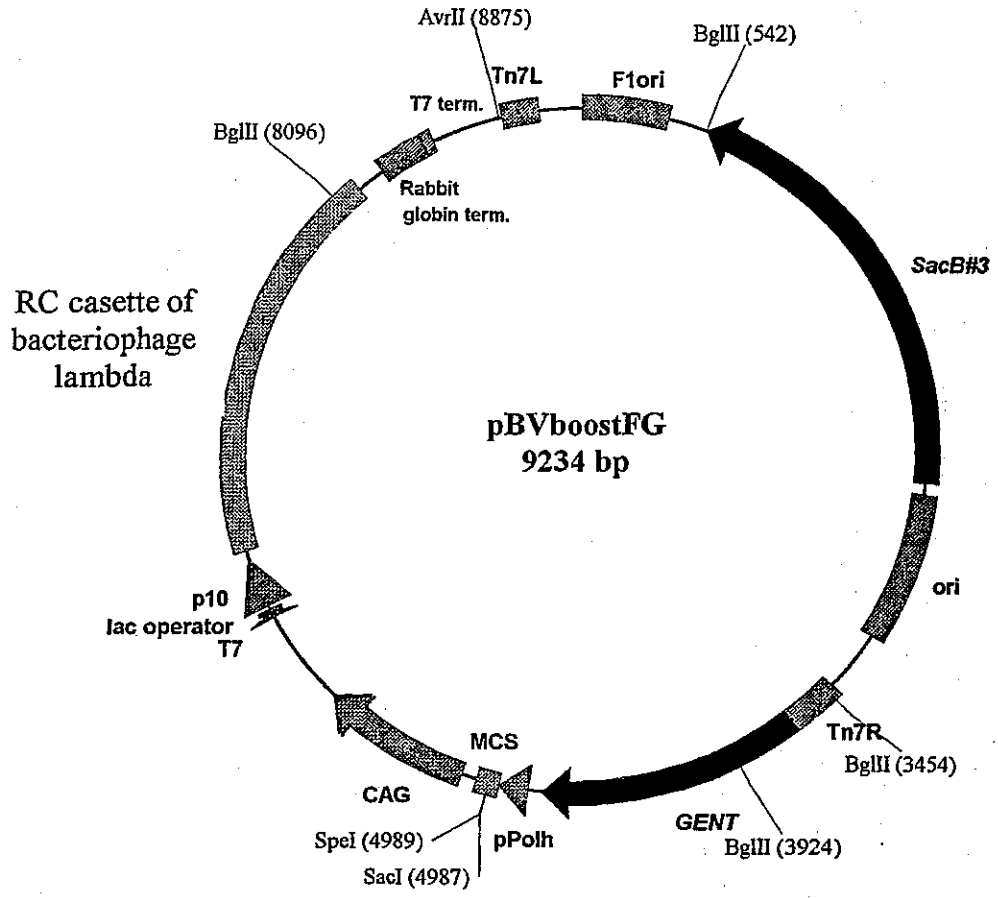

AvrII (8875)
BglII (542)
Tn7L
F1ori
T7 term.
BglII (8096)
Rabbit
globin term.
SacB#3
RC casette of
bacteriophage
lambda
pBVboostFG
9234 bp
ori
p10
lac operator
T7
Tn7R
BglII (3454)
MCS
CAG
GENT
SpeI (4989)
pPolh
BglII (3924)
SacI (4987)

Figure 3

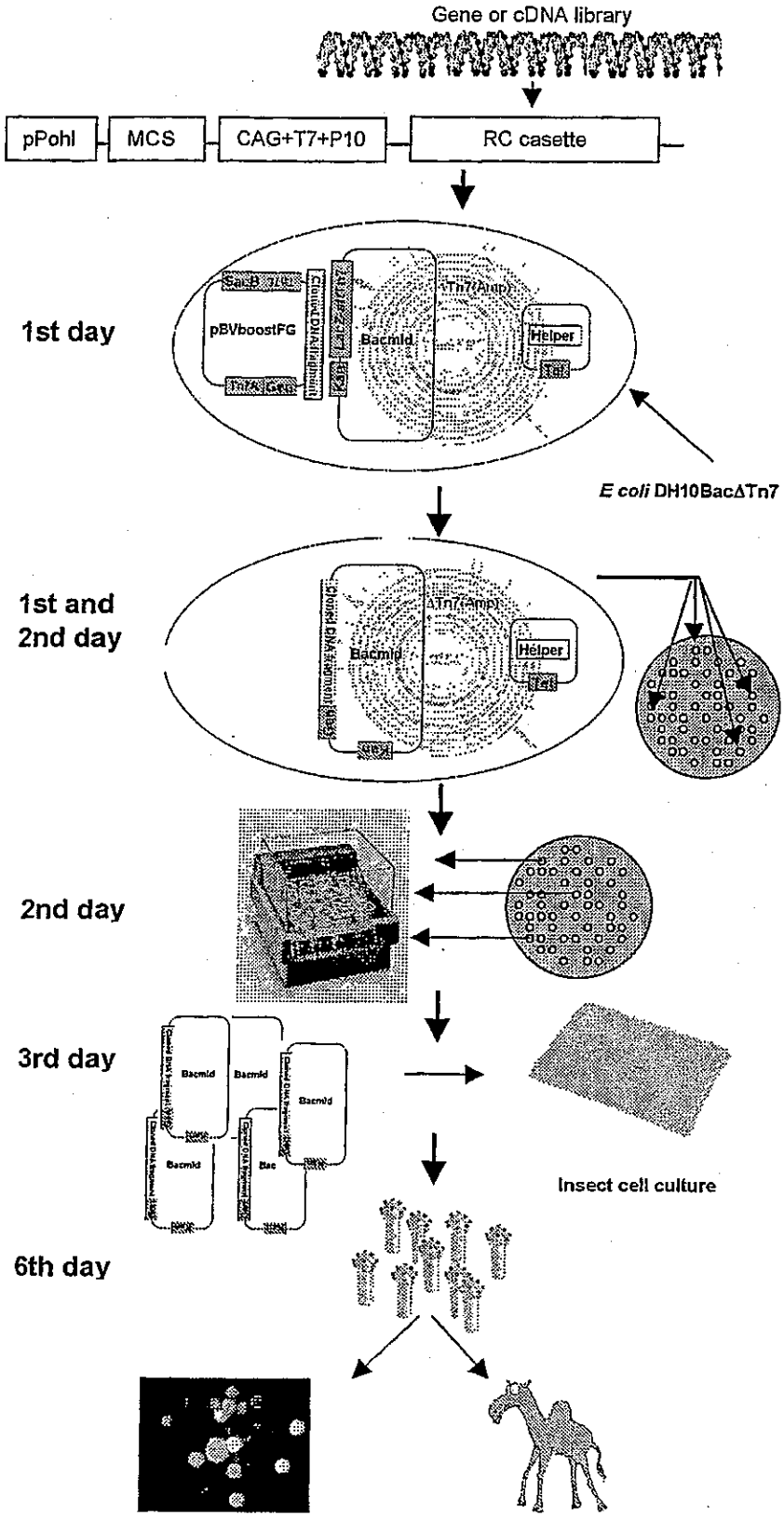
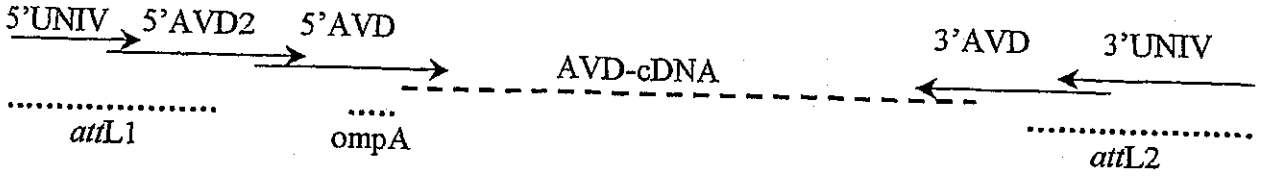
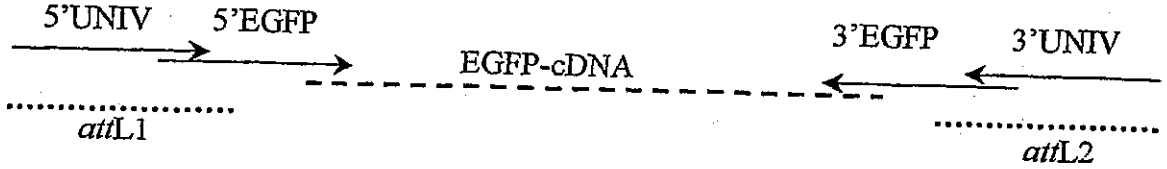

Gene or cDNA library
pPohl
MCS
CAG+T7+P10
RC casette
1st day
pBVboostFG
Bacmid
Tn7(Amp)
Helper
Tet
E coli DH10BacΔTn7
1st and
2nd day
2nd day
3rd day
Insect cell culture
6th day

Figure 4

A



B



C

5'UNIV: 5'-*CAAATAATGA TTTTATTTTG ACTGATAGTG ACCTGTTCGT TGCAACAAAT TGATAAGCAA TGCTTTTTTA TAATGCCAAC TTTGT*-3'

3'UNIV: 5'-*CAAATAATGA TTTTATTTTG ACTGATAGTG ACCTGTTCGT TGCAACAAAT TGATAAGCAA TGCTTTCTTA TAATGCCAAC*-3'

5'AVD: 5'-CGC TCT GGC GCT TGC CTT CGC CGC CGT TAC GGC CTC TGG TGT TGC CTC GGC TCA GAC CGT GGC CAG AAA GTG CTC GCT GAC-3'

5'AVD2: 5'-*GCT TTT TTA TAA TGC CAA CTT TGT ACA AAA AAG CAG GCT* ATG AAC AAA CCC TCC AAA TTC GCT CTG GCG CTT GCC TTC G-3'

3'AVD: 5'-*TGC TTT CTT ATA ATG CCA ACT TTG TAC AAG AAA GCT GGG TAT* TAC TCC TTC TGT GTG CGC AGG-3'

5'EGFP: *TTA TAA TGC CAA CTT TGT ACA AAA AAG CAG GCT* ATG GTG AGC AAG GGC GAG

3'EGFP: 5'-*TGC TTT CTT ATA ATG CCA ACT TTG TAC AAG AAA GCT GGG* TTT *ACT* TGT ACA GCT CGT C-3'

Figure 5