Figure 14 (i) – ~~(viii)~~ (vi)

Feature Maps of Key Plasmids in Construction of pPJV7563

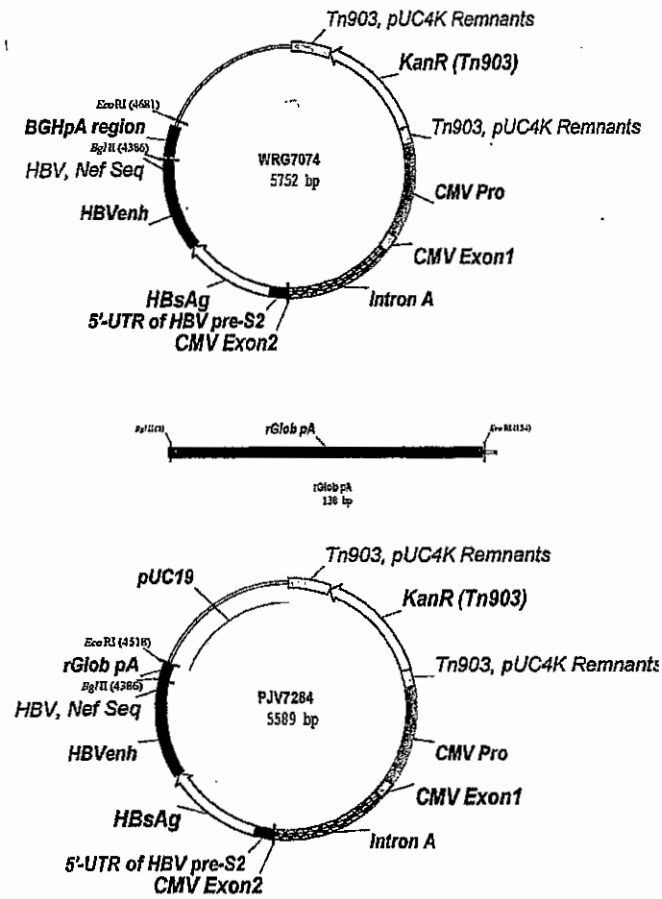


Figure 14(i)

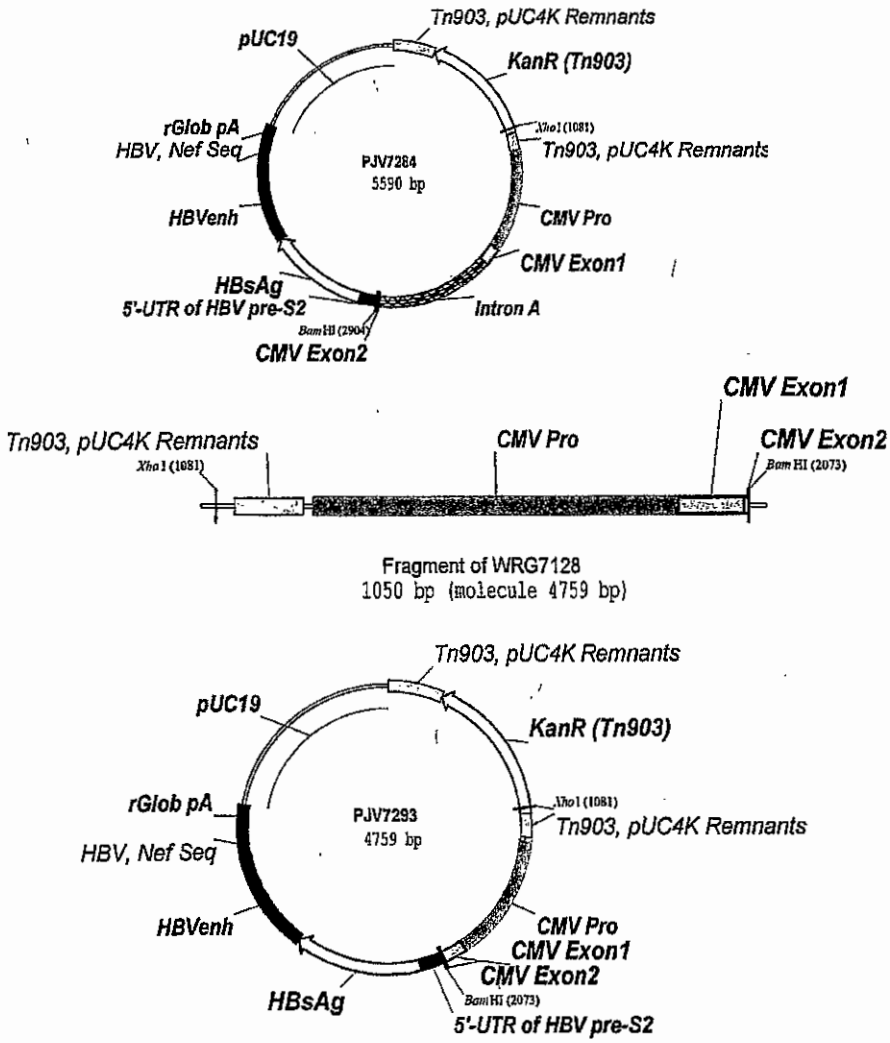

Tn903, pUC4K Remnants
pUC19
KanR (Tn903)
rGlob pA
HBV, Nef Seq
PJV7284
5590 bp
Xho I (1081)
Tn903, pUC4K Remnants
HBVenh
CMV Pro
CMV Exon1
HBsAg
5'-UTR of HBV pre-S2
Intron A
Bam HI (2904)
CMV Exon2
CMV Exon1
Tn903, pUC4K Remnants
CMV Pro
CMV Exon2
Xho I (1081)
Bam HI (2073)
Fragment of WRG7128
1050 bp (molecule 4759 bp)
Tn903, pUC4K Remnants
pUC19
KanR (Tn903)
rGlob pA
PJV7293
4759 bp
Xho I (1081)
Tn903, pUC4K Remnants
HBV, Nef Seq
HBVenh
CMV Pro
CMV Exon1
CMV Exon2
HBsAg
Bam HI (2073)
5'-UTR of HBV pre-S2

Figure 14(ii)

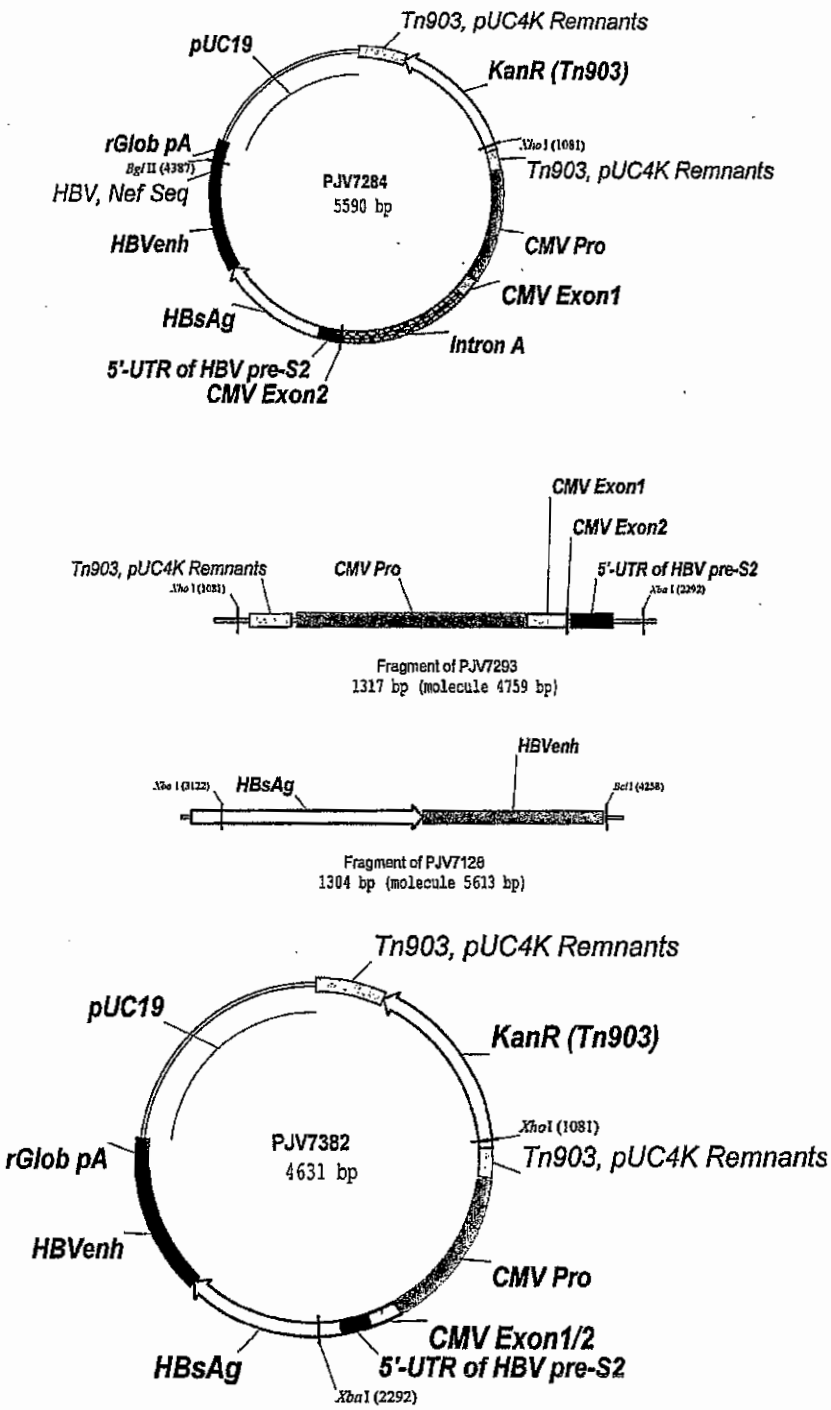


Figure 14(iii)

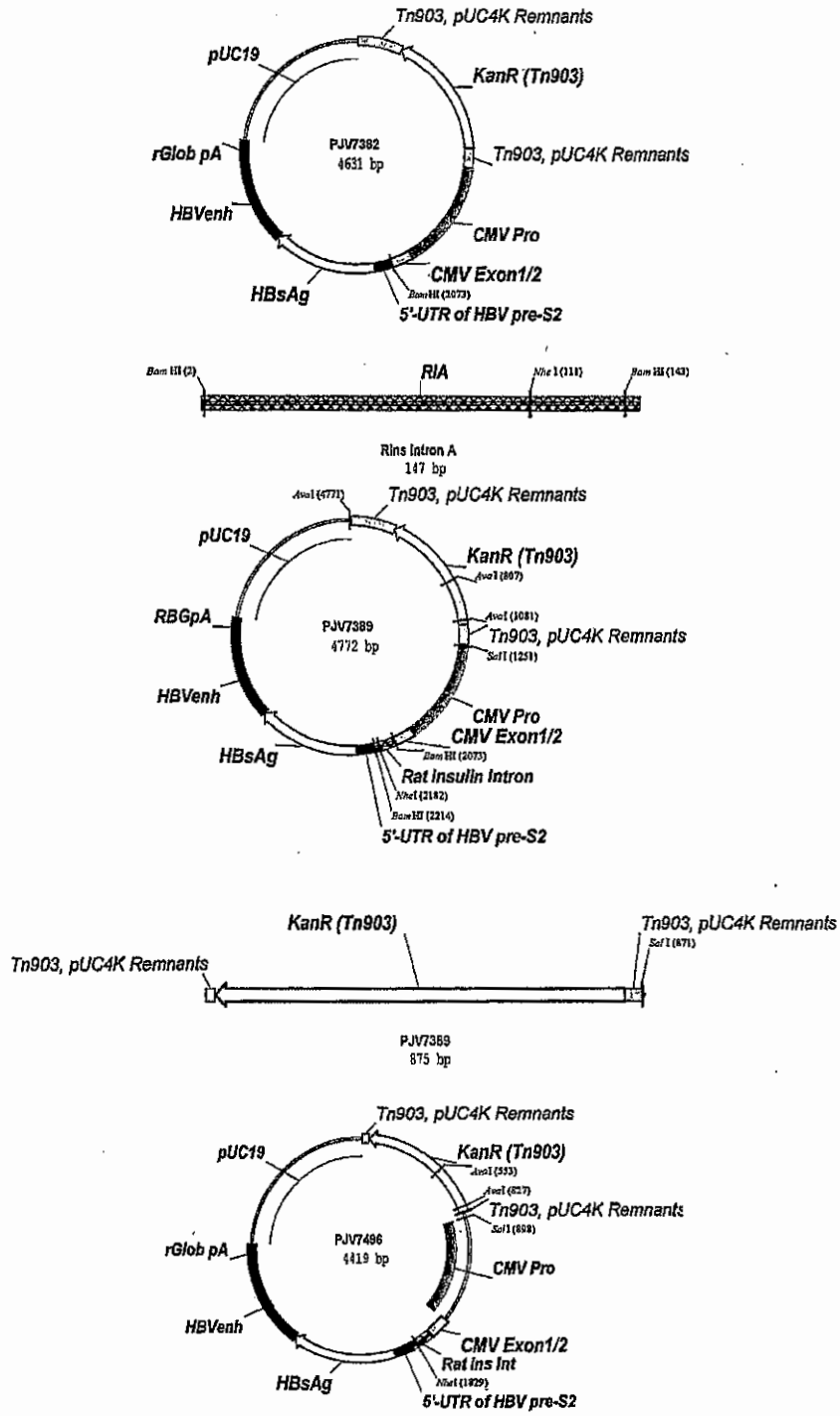

Tn903, pUC4K Remnants
pUC19
KanR (Tn903)
PJV7382
4631 bp
rGlob pA
Tn903, pUC4K Remnants
HBVenh
CMV Pro
CMV Exon1/2
HBsAg
5'-UTR of HBV pre-S2
RIA
Rins Intron A
147 bp
Tn903, pUC4K Remnants
pUC19
KanR (Tn903)
PJV7389
4772 bp
RBGpA
Tn903, pUC4K Remnants
HBVenh
CMV Pro
CMV Exon1/2
HBsAg
Rat Insulin Intron
5'-UTR of HBV pre-S2
KanR (Tn903)
Tn903, pUC4K Remnants
Tn903, pUC4K Remnants
PJV7389
875 bp
Tn903, pUC4K Remnants
pUC19
KanR (Tn903)
Tn903, pUC4K Remnants
PJV7496
4419 bp
rGlob pA
CMV Pro
HBVenh
CMV Exon1/2
Rat Ins Int
HBsAg
5'-UTR of HBV pre-S2

Figure 14(iv)

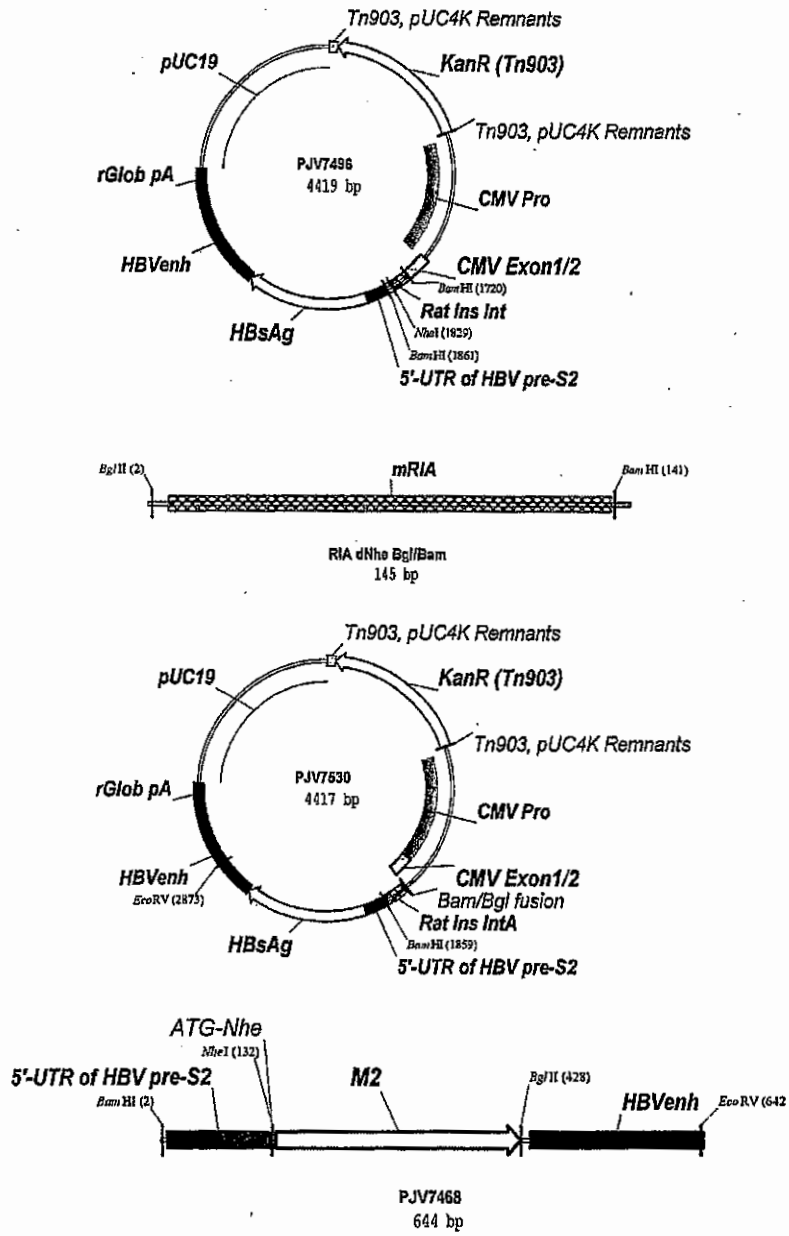
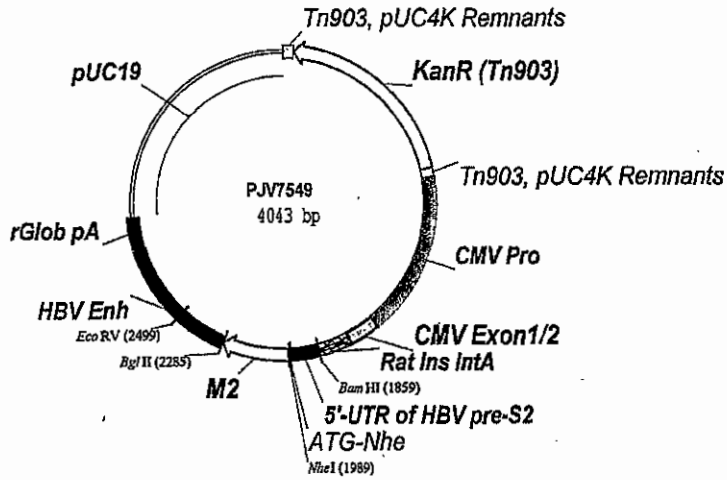

Tn903, pUC4K Remnants
pUC19
KanR (Tn903)
Tn903, pUC4K Remnants
rGlob pA
PJV7496
4419 bp
CMV Pro
HBVenh
CMV Exon1/2
BamHI (1720)
Rat Ins Int
NheI (1829)
HBsAg
BamHI (1861)
5'-UTR of HBV pre-S2
BglII (2)
mRIA
BamHI (141)
RIA dNhe Bgl/Bam
145 bp
Tn903, pUC4K Remnants
pUC19
KanR (Tn903)
Tn903, pUC4K Remnants
rGlob pA
PJV7630
4417 bp
CMV Pro
HBVenh
EcoRV (2875)
CMV Exon1/2
Bam/Bgl fusion
Rat Ins IntA
HBsAg
BamHI (1859)
5'-UTR of HBV pre-S2
ATG-Nhe
NheI (132)
5'-UTR of HBV pre-S2
BamHI (2)
M2
BglII (428)
HBVenh
EcoRV (642
PJV7468
644 bp

Figure 14(v)


Tn903, pUC4K Remnants
pUC19
KanR (Tn903)
PJV7549
4043 bp
Tn903, pUC4K Remnants
rGlob pA
CMV Pro
HBV Enh
Eco RV (2499)
CMV Exon1/2
Bgl II (2285)
Rat Ins IntA
M2
Bam HI (1859)
5'-UTR of HBV pre-S2
ATG-Nhe
Nhe I (1989)

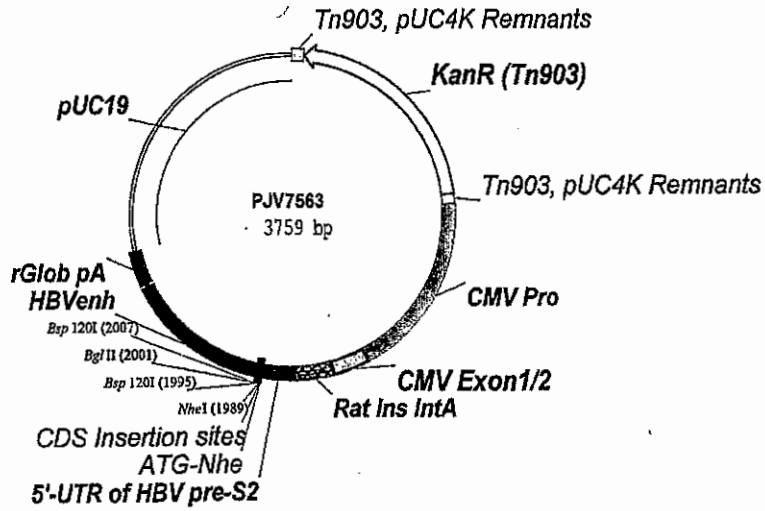

Tn903, pUC4K Remnants
KanR (Tn903)
pUC19
PJV7563
3759 bp
Tn903, pUC4K Remnants
rGlob pA
HBVenh
CMV Pro
Bsp 120I (2007)
Bgl II (2001)
CMV Exon1/2
Bsp 120I (1995)
Rat Ins IntA
Nhe I (1989)
CDS Insertion sites
ATG-Nhe
5'-UTR of HBV pre-S2

Figure 14(vi)

Figure 16 (i) to (v): Key Plasmid Features

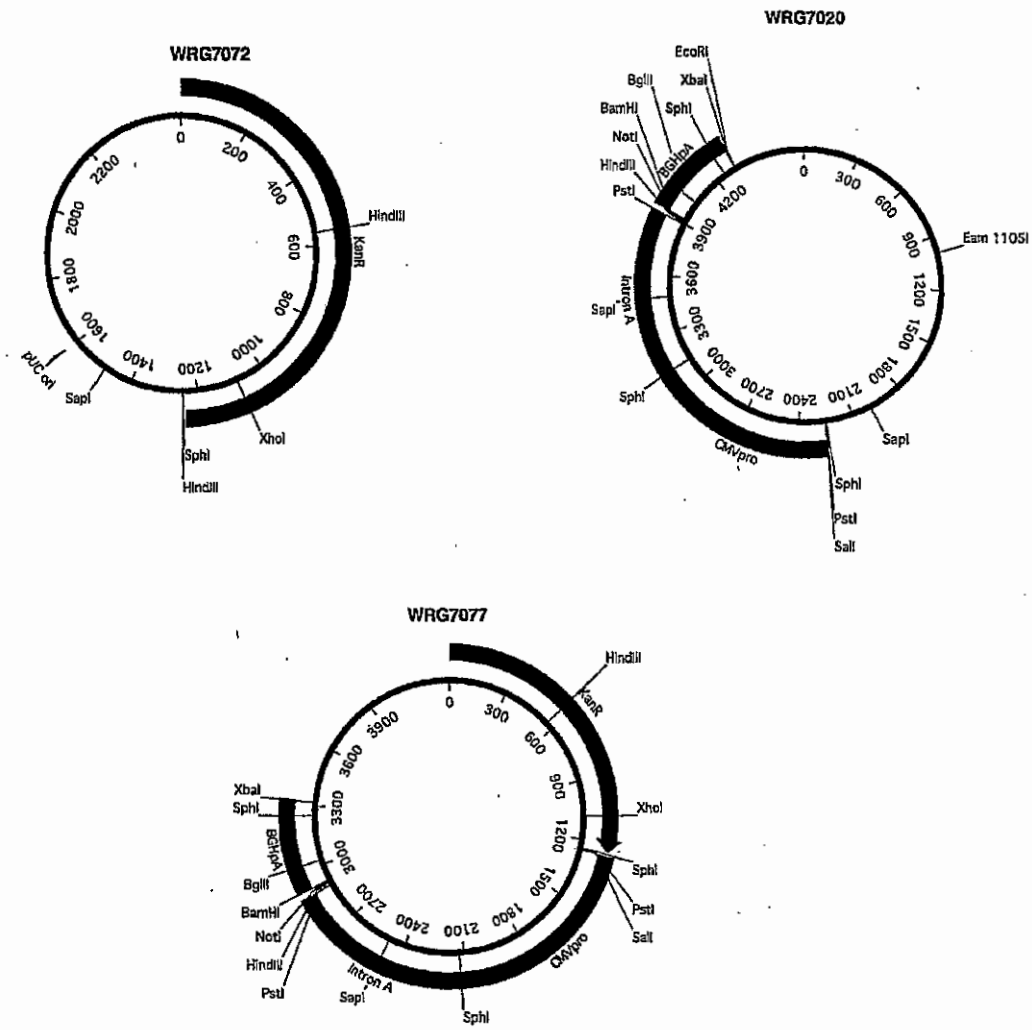


Figure 16(i)

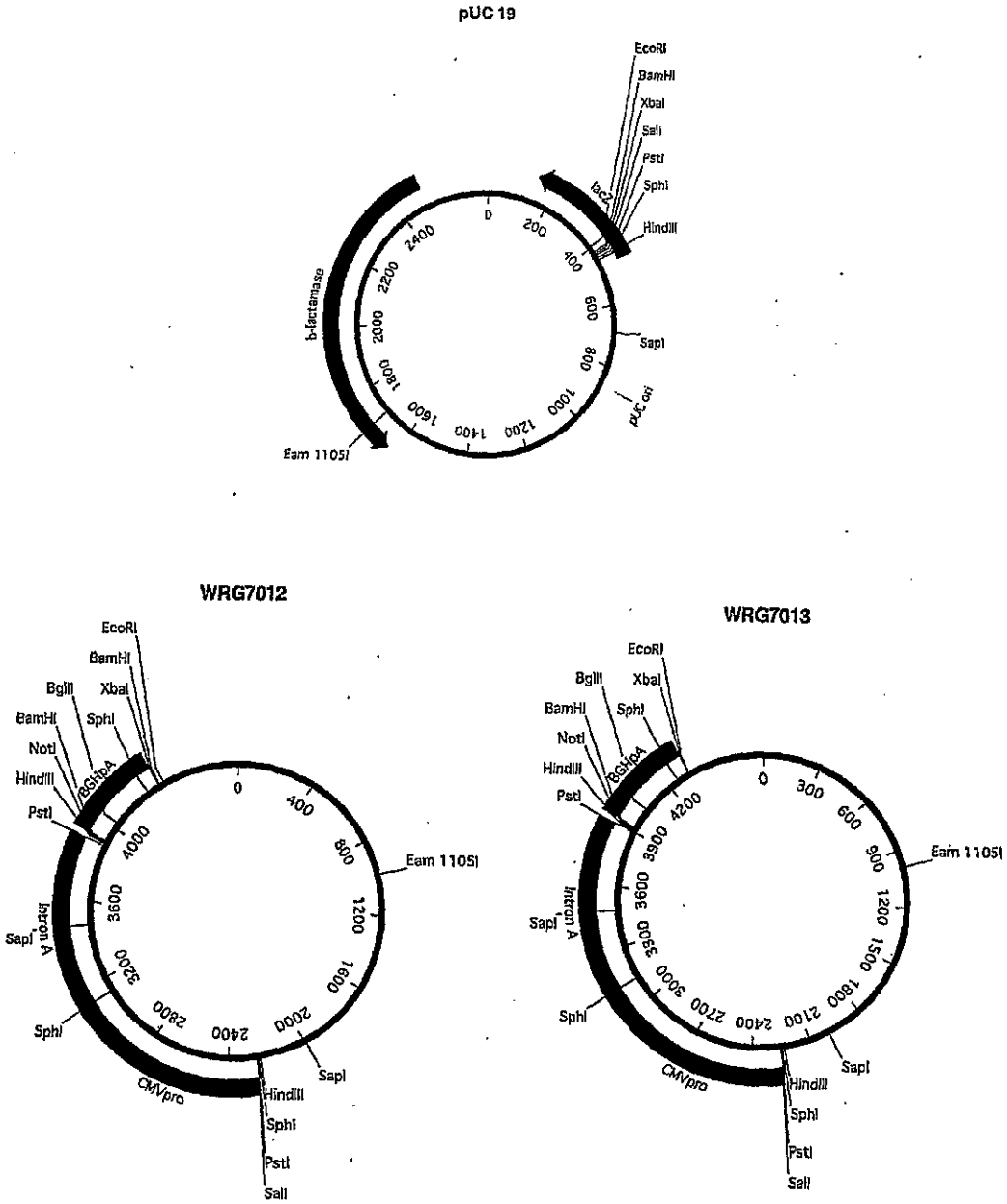

pUC 19
EcoRI
BamHI
XbaI
SalI
PstI
SphI
HindIII
lacZ
SapI
pUCori
b-lactamase
Eam 1105I
WRG7012
EcoRI
BamHI
BglII
XbaI
BamHI
SphI
NotI
HindIII
BGHpA
PstI
Intron A
SapI
SphI
CMVpro
HindIII
SphI
PstI
SalI
SapI
Eam 1105I
WRG7013
EcoRI
BglII
XbaI
BamHI
SphI
NotI
HindIII
BGHpA
PstI
Intron A
SapI
SphI
CMVpro
HindIII
SphI
PstI
SalI
SapI
Eam 1105I

Figure 16(ii)

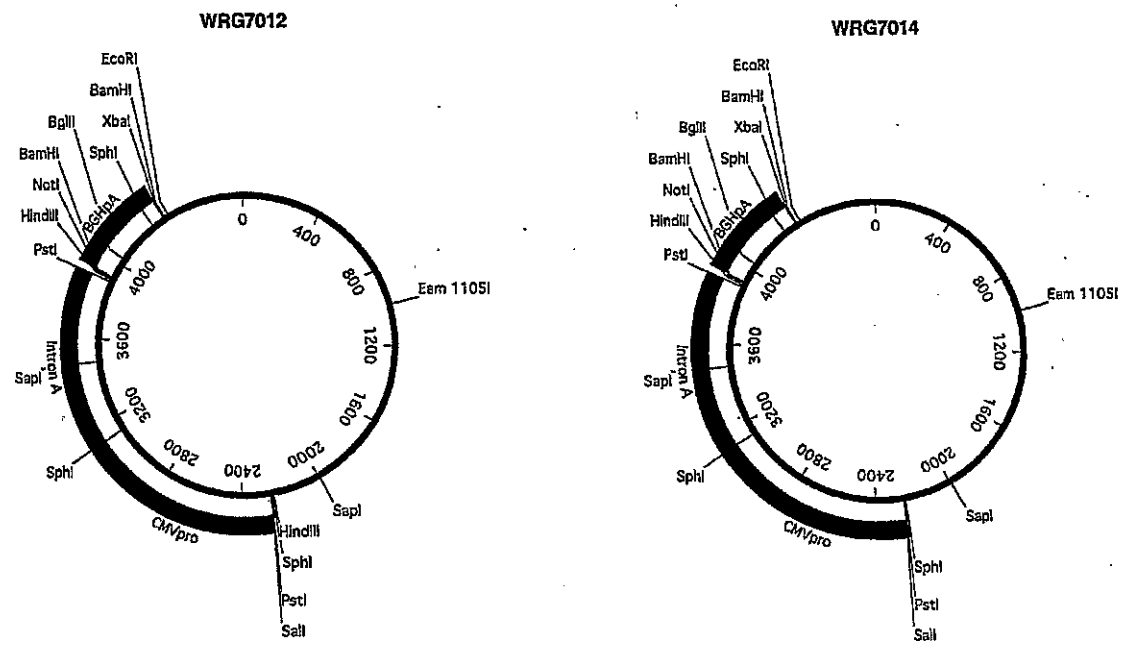


Figure 16(iii)

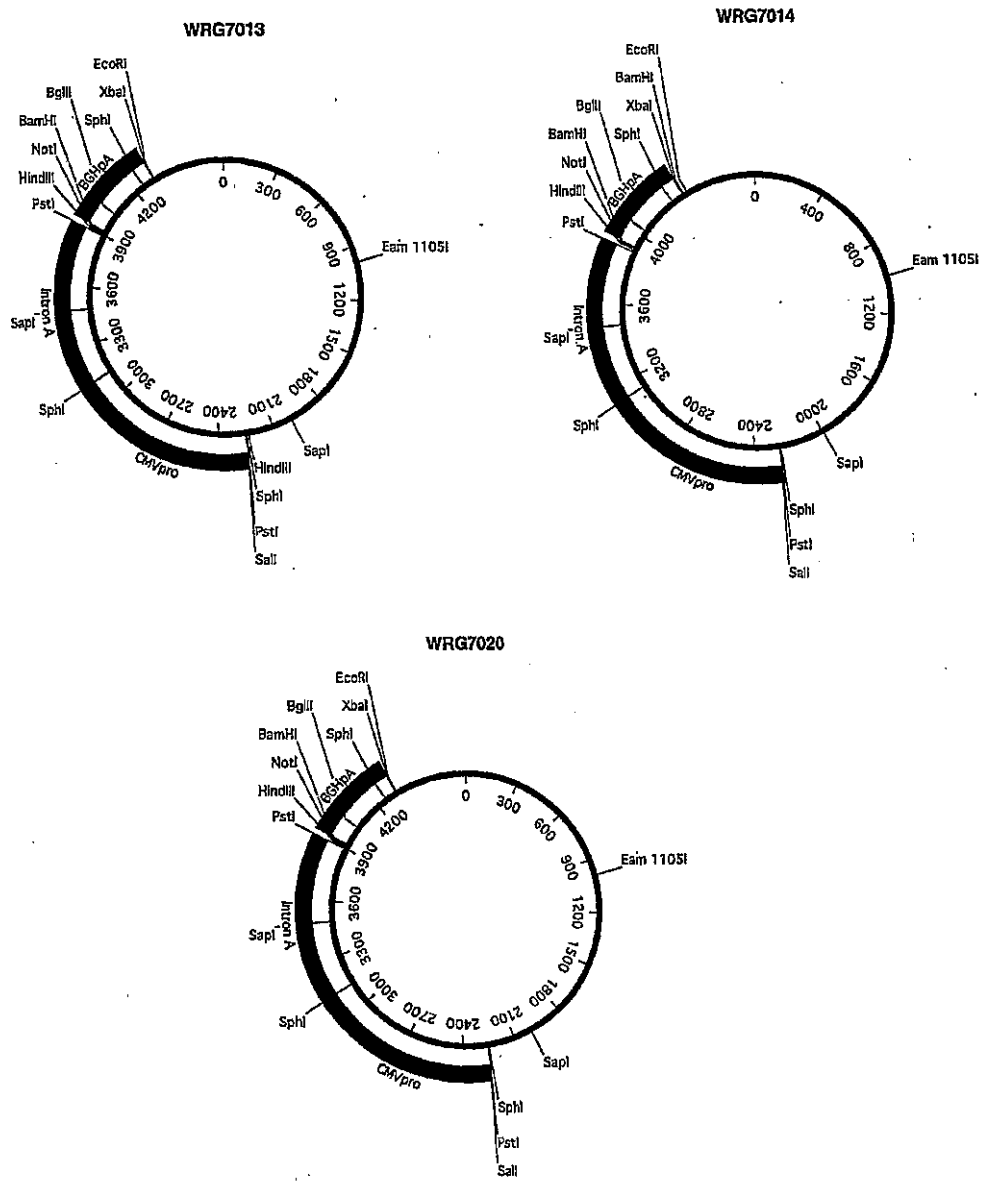

WRG7013
EcoRI
BglII
XbaI
BamHI
SphI
NotI
HindIII
PstI
BGHpA
0
300
600
900
1200
1500
1800
2100
2400
2700
3000
3300
3600
3900
4200
Eam 1105I
Intron A
SapI
SphI
CMVpro
HindIII
SphI
PstI
SalI
SapI
WRG7014
EcoRI
BamHI
BglII
XbaI
BamHI
SphI
NotI
HindIII
PstI
BGHpA
0
400
800
1200
1600
2000
2400
2800
3200
3600
4000
Eam 1105I
Intron A
SapI
SphI
CMVpro
SapI
SphI
PstI
SalI
WRG7020
EcoRI
BglII
XbaI
BamHI
SphI
NotI
HindIII
PstI
BGHpA
0
300
600
900
1200
1500
1800
2100
2400
2700
3000
3300
3600
3900
4200
Eam 1105I
Intron A
SapI
SphI
CMVpro
SapI
SphI
PstI
SalI

Figure 16(iv)

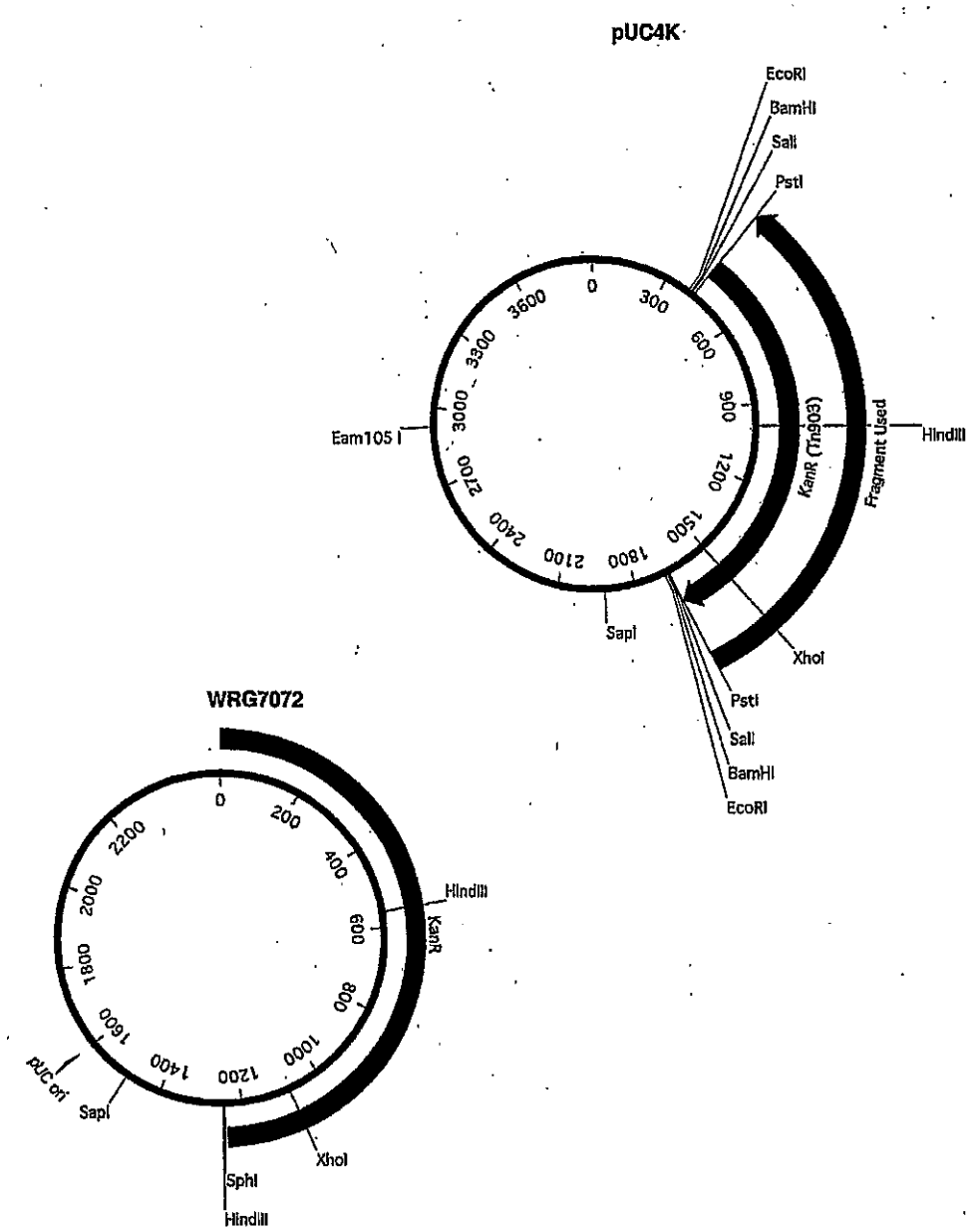

pUC4K
EcoRI
BamHI
SalI
PstI
0
300
600
900
1200
1500
1800
2100
2400
2700
3000
3300
3600
Eam105 I
KanR (Tn903)
Fragment Used
HindIII
SapI
XhoI
PstI
SalI
BamHI
EcoRI
WRG7072
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
HindIII
KanR
pUC ori
SapI
XhoI
SphI
HindIII

Figure 16(v)