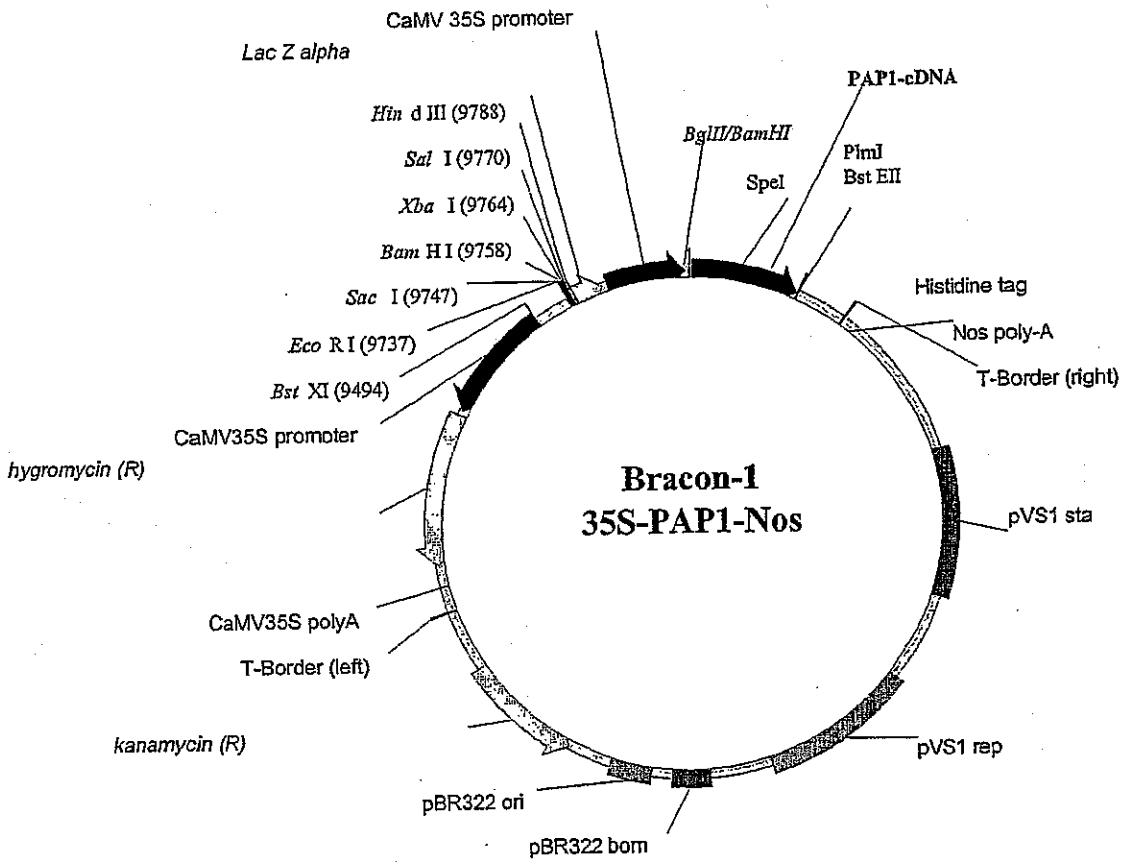

CaMV 35S promoter
Lac Z alpha
PAP1-cDNA
Hin d III (9788)
BglII/BamHI
Sal I (9770)
SpeI
PmlI
Bst EII
Xba I (9764)
Bam H I (9758)
Histidine tag
Sac I (9747)
Nos poly-A
Eco R I (9737)
T-Border (right)
Bst XI (9494)
CaMV35S promoter
hygromycin (R)
Bracon-1
35S-PAP1-Nos
pVS1 sta
CaMV35S polyA
T-Border (left)
kanamycin (R)
pVS1 rep
pBR322 ori
pBR322 bom

Fig-1.

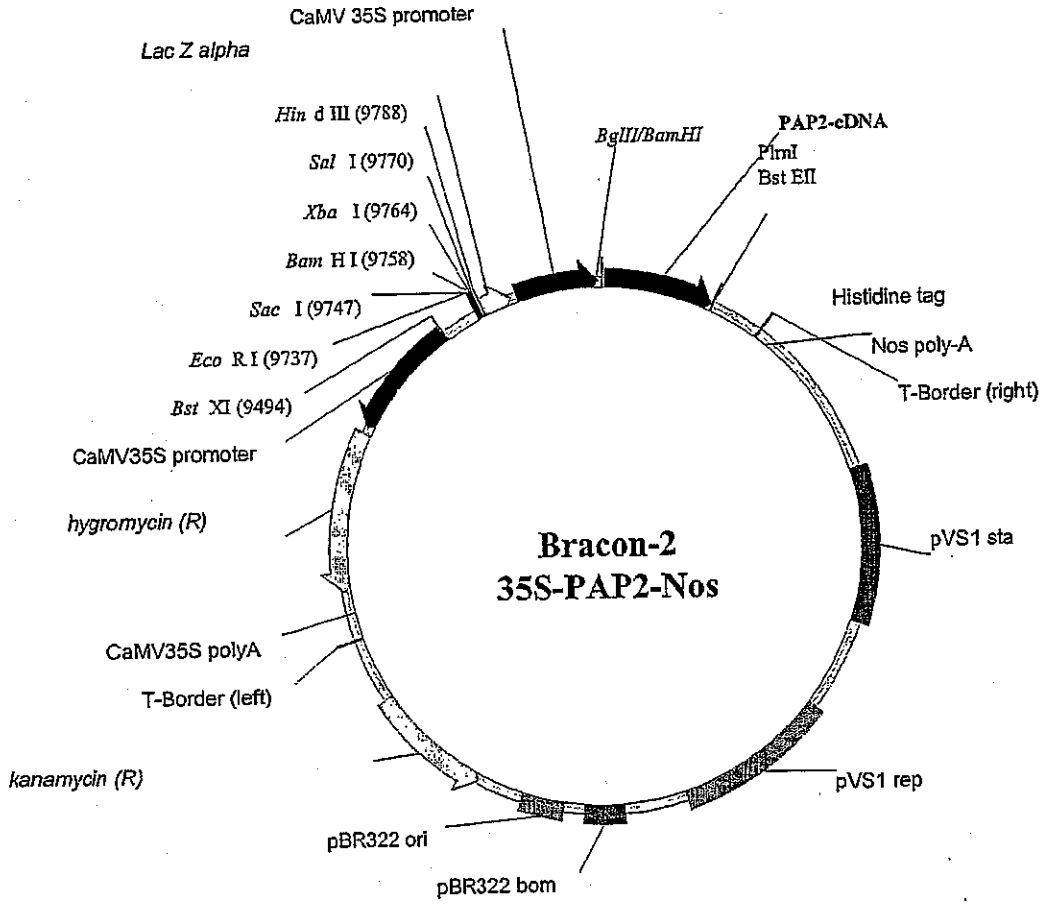

CaMV 35S promoter
Lac Z alpha
Hin d III (9788)
Sal I (9770)
Xba I (9764)
Bam H I (9758)
Sac I (9747)
Eco R I (9737)
Bst XI (9494)
CaMV35S promoter
hygromycin (R)
CaMV35S polyA
T-Border (left)
kanamycin (R)
pBR322 ori
pBR322 bom
pVS1 rep
pVS1 sta
T-Border (right)
Nos poly-A
Histidine tag
PAP2-cDNA
PlmI
Bst EII
BglII/BamHI
Bracon-2
35S-PAP2-Nos

Fig-2.

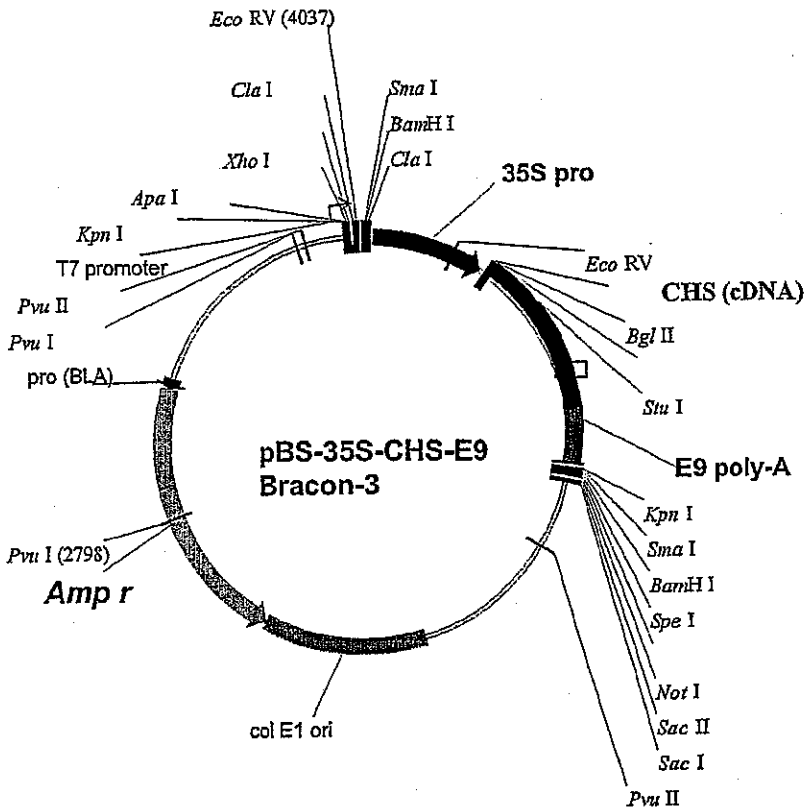

Eco RV (4037)
Cla I
Sma I
BamH I
Cla I
Xho I
35S pro
Apa I
Kpn I
T7 promoter
Eco RV
CHS (cDNA)
Pvu II
Pvu I
pro (BLA)
Bgl II
Stu I
pBS-35S-CHS-E9
Bracon-3
E9 poly-A
Kpn I
Sma I
BamH I
Spe I
Pvu I (2798)
Amp r
Not I
Sac II
Sac I
col E1 ori
Pvu II

Fig.3

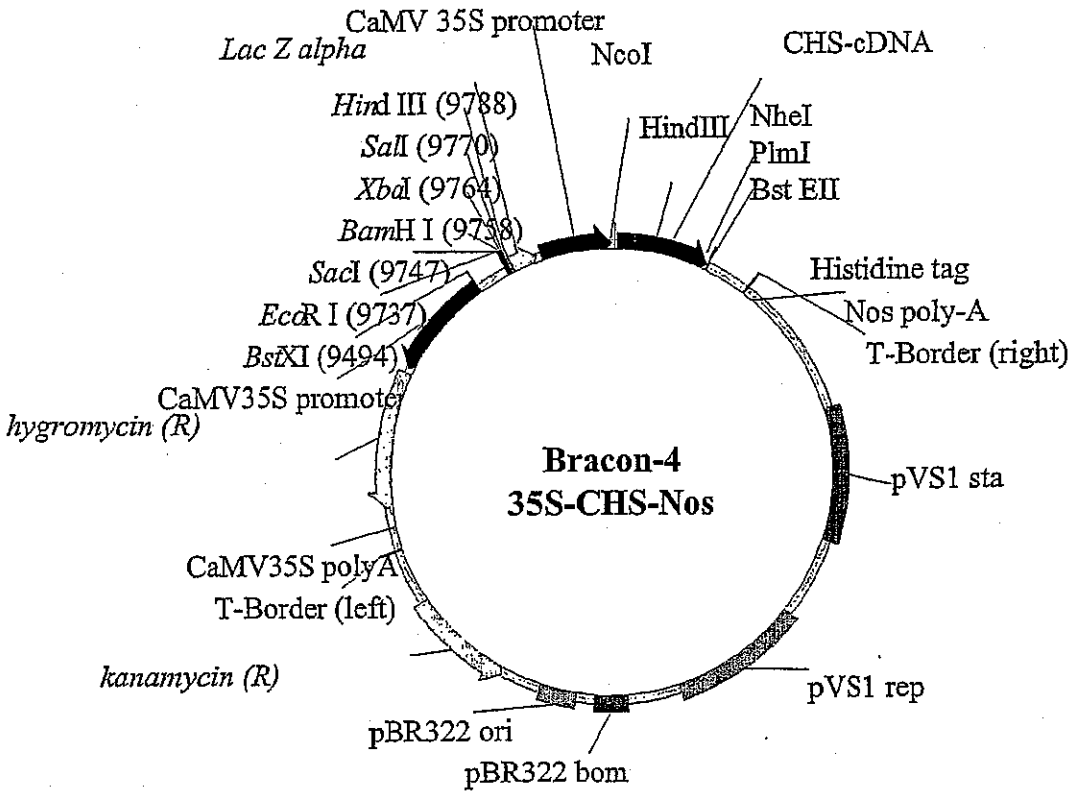

CaMV 35S promoter
Lac Z alpha
NcoI
CHS-cDNA
Hind III (9788)
SalI (9770)
XbaI (9764)
BamH I (9758)
SacI (9747)
EcoR I (9737)
BstXI (9494)
CaMV35S promoter
hygromycin (R)
HindIII
NheI
PlmI
Bst EII
Histidine tag
Nos poly-A
T-Border (right)
Bracon-4
35S-CHS-Nos
pVS1 sta
CaMV35S polyA
T-Border (left)
kanamycin (R)
pVS1 rep
pBR322 ori
pBR322 bom

Fig-4.

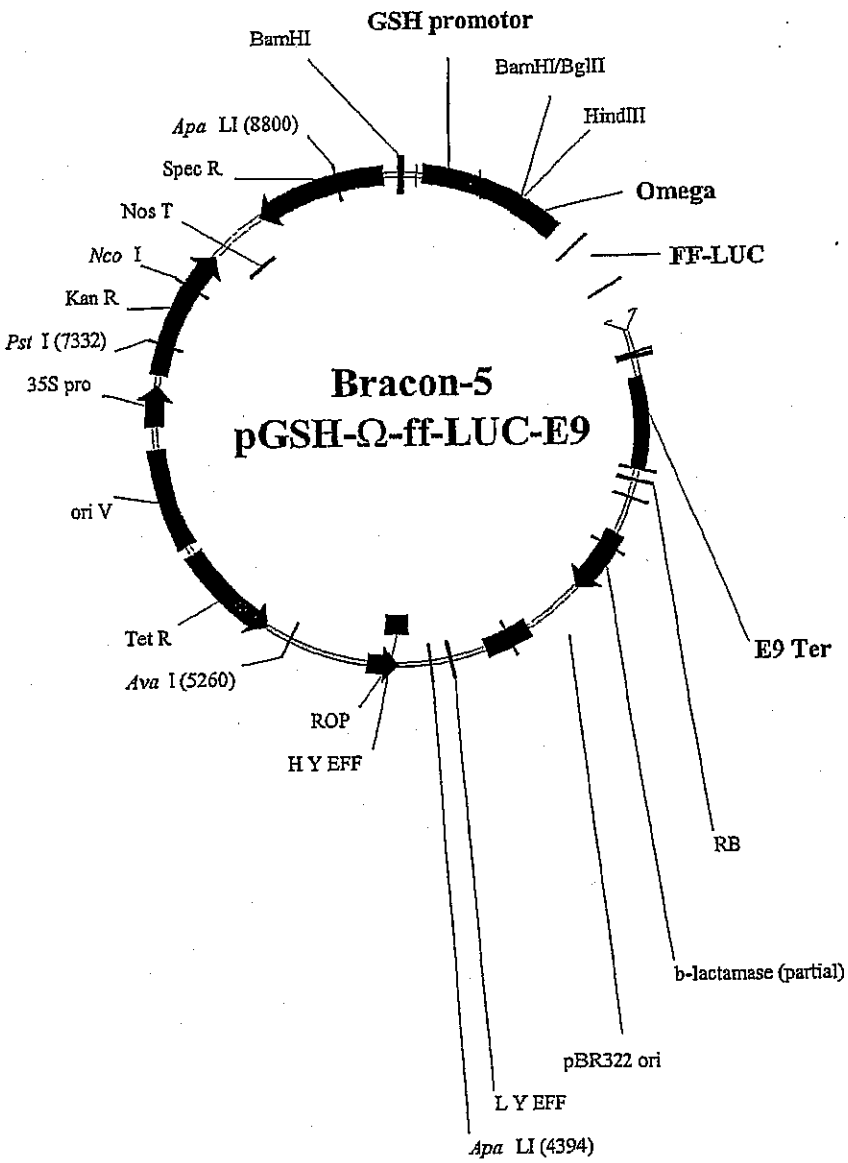

GSH promotor
BamHI
BamHI/BglII
HindIII
Omega
FF-LUC
E9 Ter
RB
b-lactamase (partial)
pBR322 ori
L Y EFF
Apa LI (4394)
H Y EFF
ROP
Ava I (5260)
Tet R
ori V
35S pro
Pst I (7332)
Kan R
Nco I
Nos T
Spec R
Apa LI (8800)
Bracon-5
pGSH-Ω-ff-LUC-E9

Fig-5.

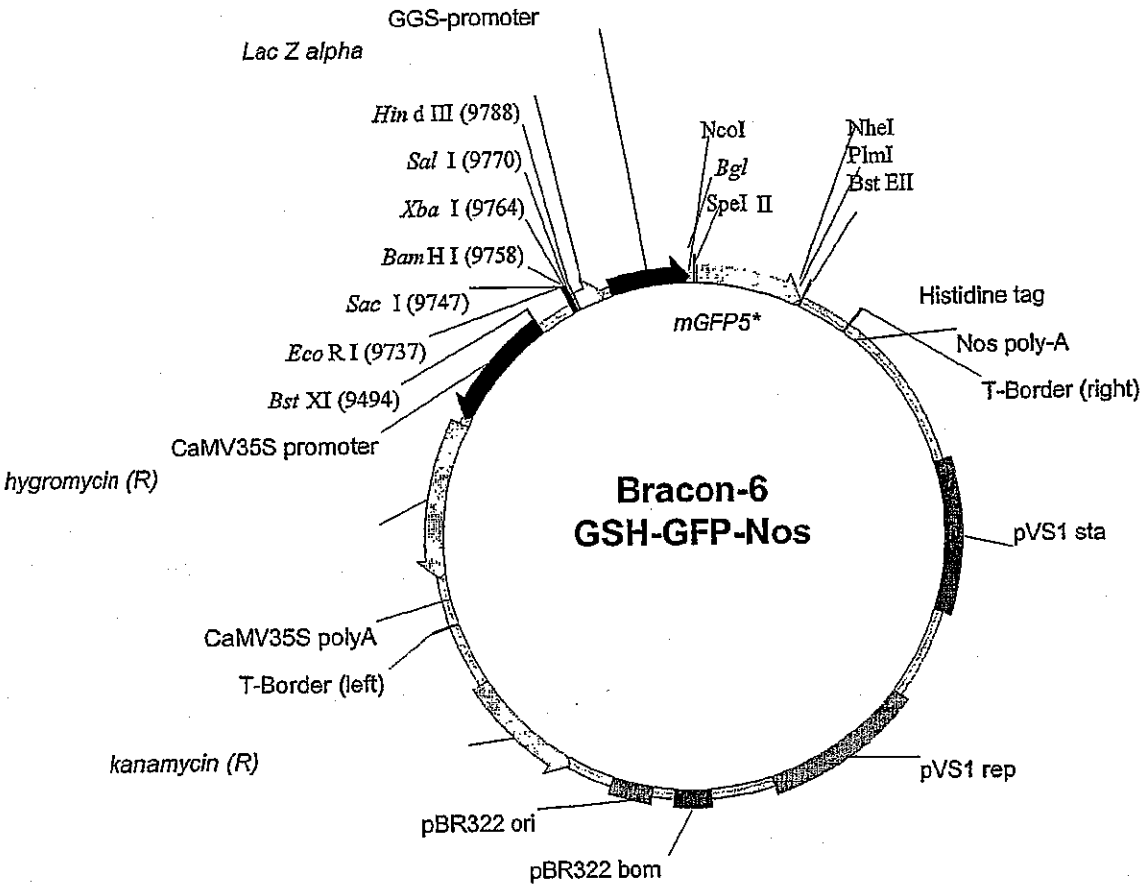

GGS-promoter
Lac Z alpha
Hin d III (9788)
Sal I (9770)
Xba I (9764)
BamH I (9758)
Sac I (9747)
Eco R I (9737)
Bst XI (9494)
CaMV35S promoter
hygromycin (R)
CaMV35S polyA
T-Border (left)
kanamycin (R)
pBR322 ori
pBR322 bom
pVS1 rep
pVS1 sta
NcoI
Bgl
SpeI II
NheI
PlmI
Bst EII
mGFP5*
Histidine tag
Nos poly-A
T-Border (right)
Bracon-6
GSH-GFP-Nos

Fig-6.

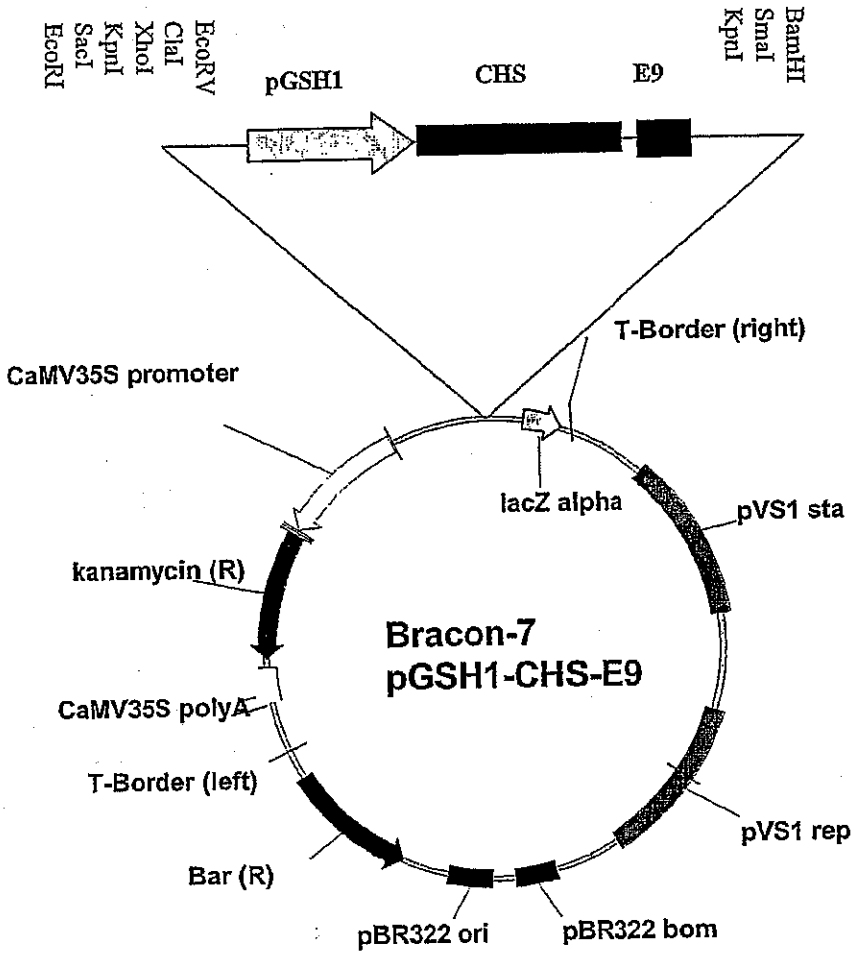

EcoRI
SacI
KpnI
XhoI
ClaI
EcoRV
pGSH1
CHS
E9
KpnI
SmaI
BamHI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-7
pGSH1-CHS-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
Bar (R)
pBR322 ori
pBR322 bom

Fig-7.

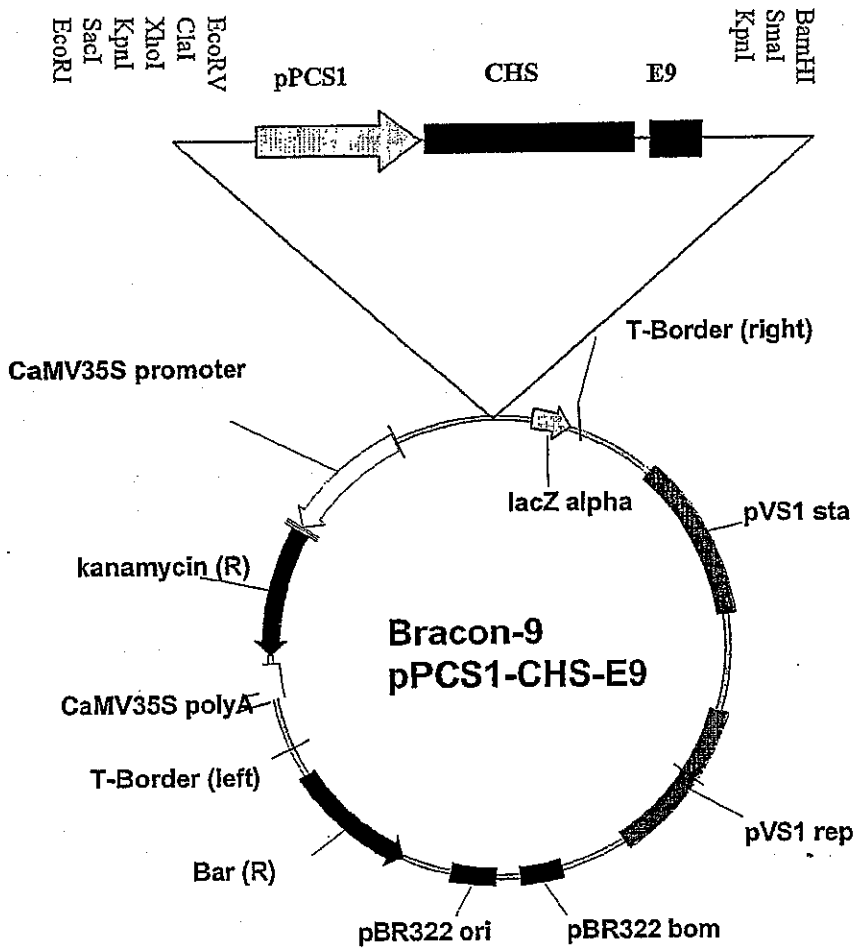

EcoRI
SacI
KpnI
XhoI
ClaI
EcoRV
pPCS1
CHS
E9
KpnI
SmaI
BamHI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-9
pPCS1-CHS-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
Bar (R)
pBR322 ori
pBR322 bom

Fig-9.

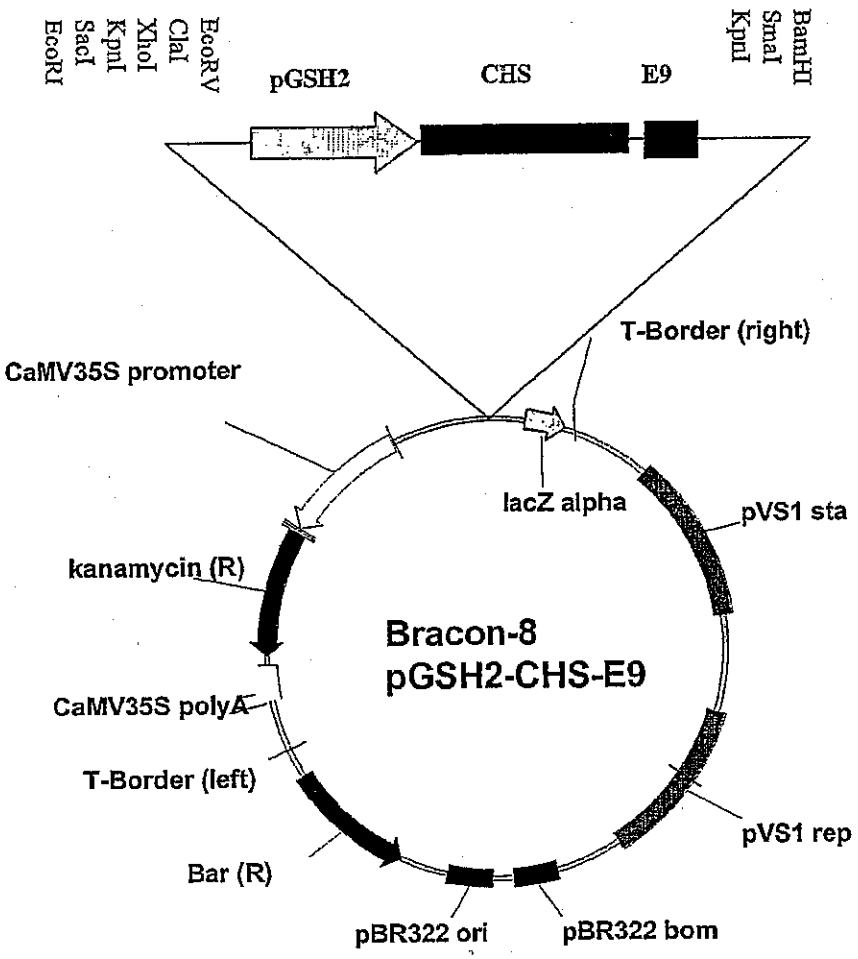

EcoRI
SacI
KpnI
XhoI
ClaI
EcoRV
pGSH2
CHS
E9
KpnI
SmaI
BamHI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-8
pGSH2-CHS-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
Bar (R)
pBR322 ori
pBR322 bom

Fig-8.

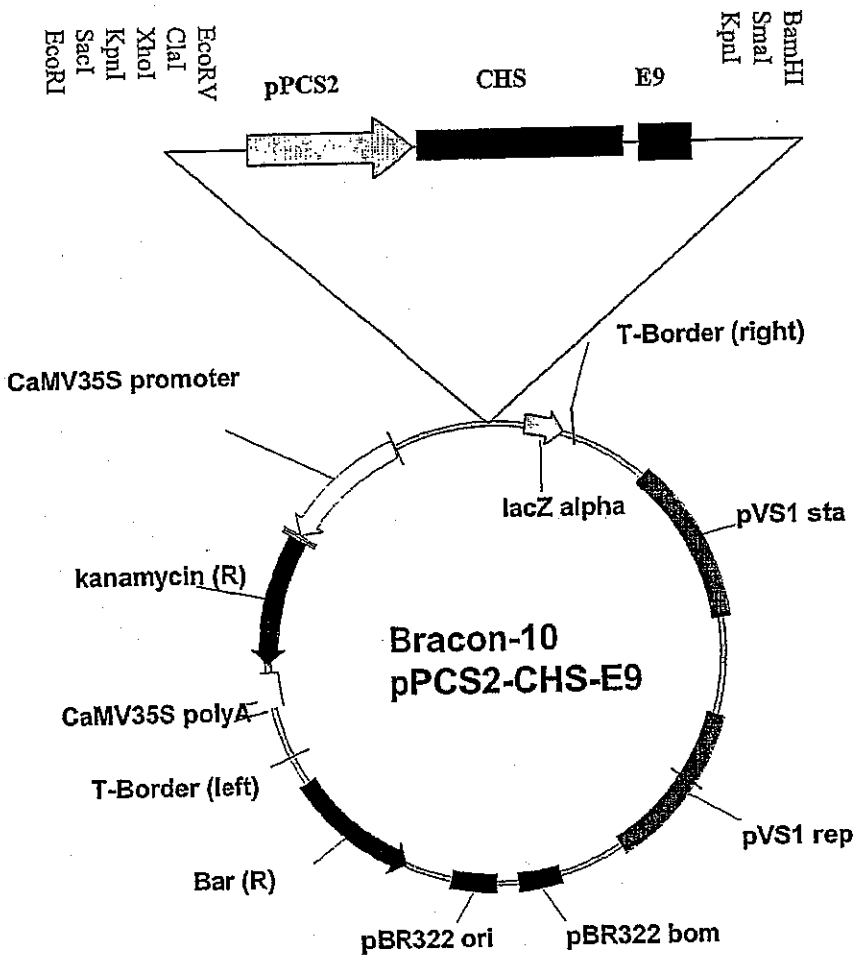

EcoRI
SacI
KpnI
XhoI
ClaI
EcoRV
pPCS2
CHS
E9
KpnI
SmaI
BamHI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-10
pPCS2-CHS-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
Bar (R)
pBR322 ori
pBR322 bom

Fig-10.

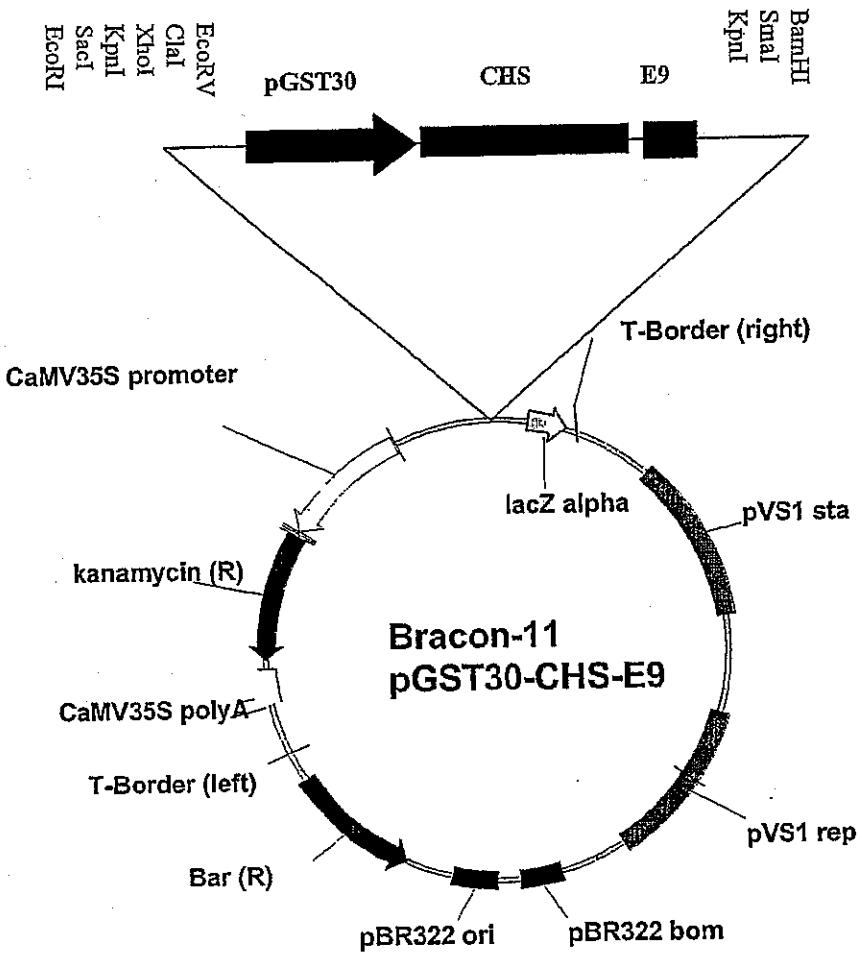

EcoRI
SacI
KpnI
XhoI
ClaI
EcoRV
pGST30
CHS
E9
KpnI
SmaI
BamHI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-11
pGST30-CHS-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
Bar (R)
pBR322 ori
pBR322 bom

Fig-11.

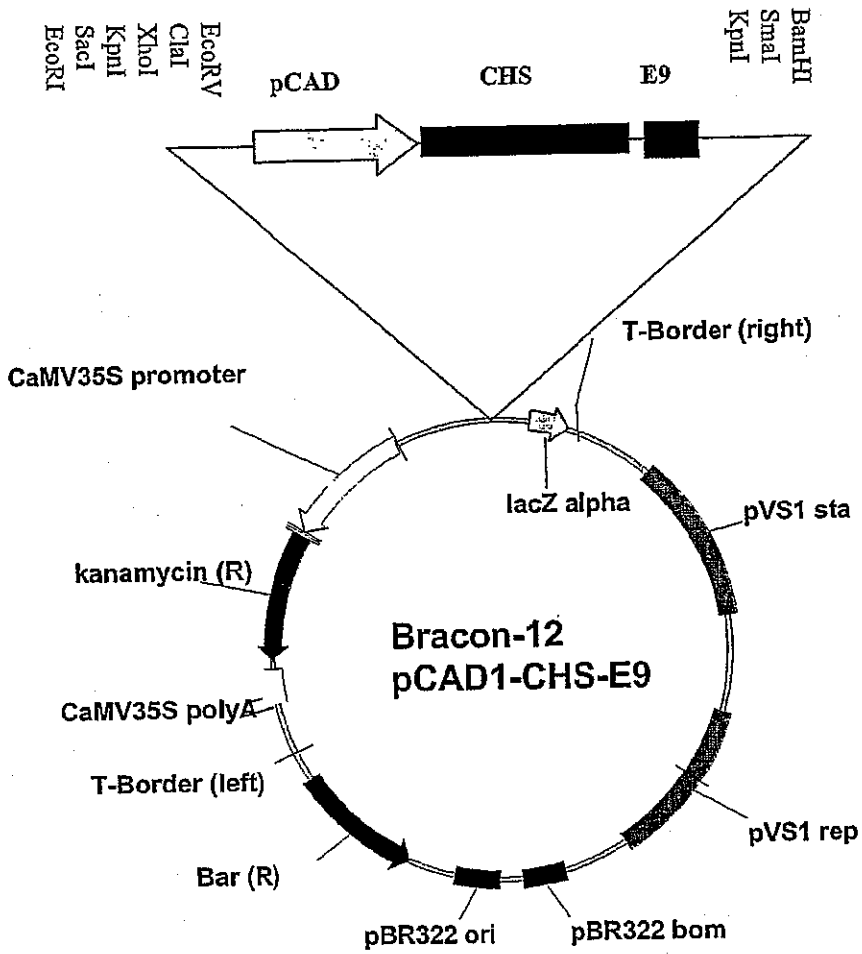

EcoRI
SacI
KpnI
XhoI
ClaI
EcoRV
pCAD
CHS
E9
KpnI
SmaI
BamHI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-12
pCAD1-CHS-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
Bar (R)
pBR322 ori
pBR322 bom

Fig-12.

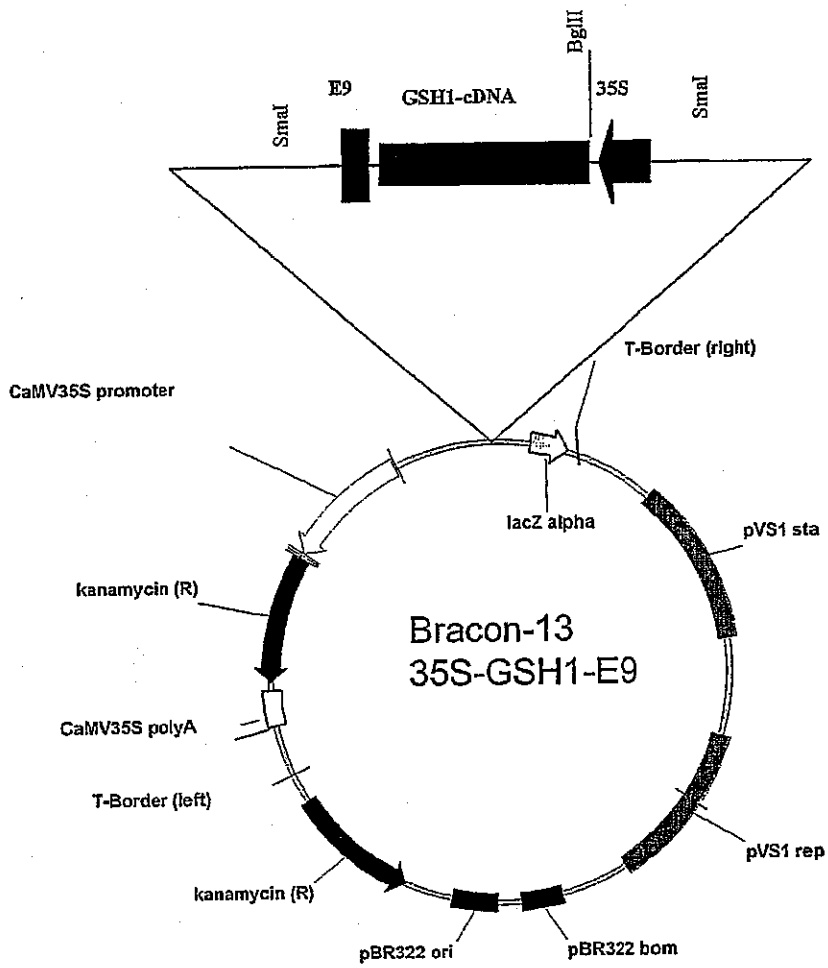

BglII
E9
GSH1-cDNA
35S
SmaI
SmaI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-13
35S-GSH1-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-13.

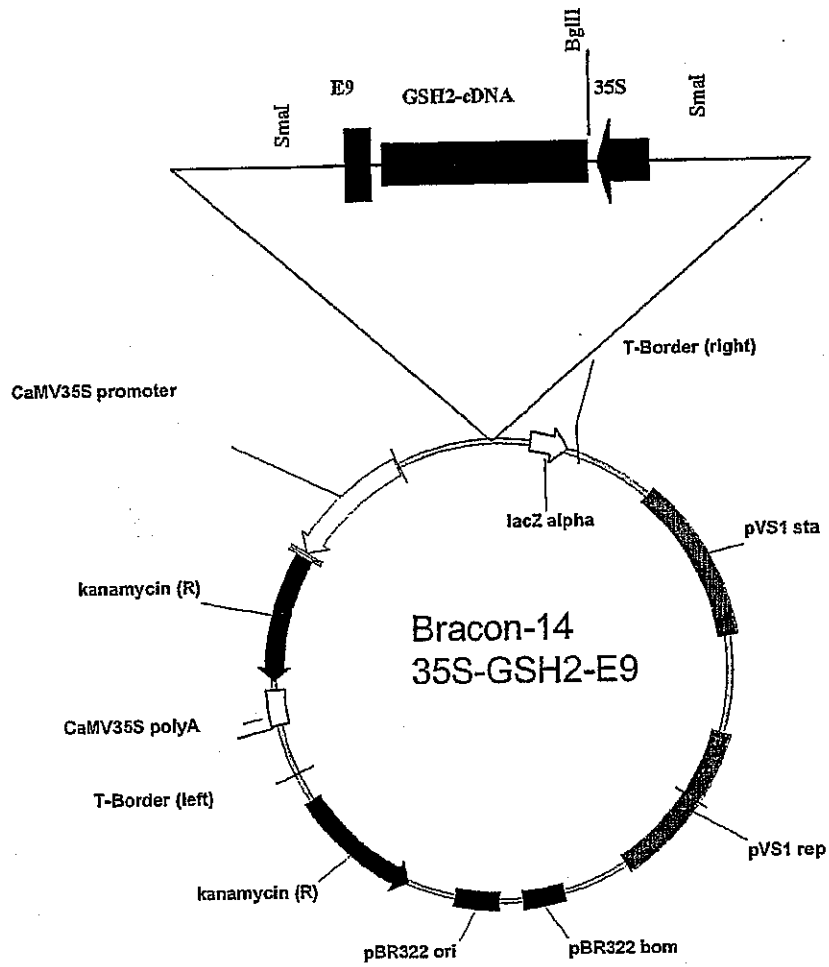

BglII
E9
GSH2-cDNA
35S
SmaI
SmaI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-14
35S-GSH2-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-14.

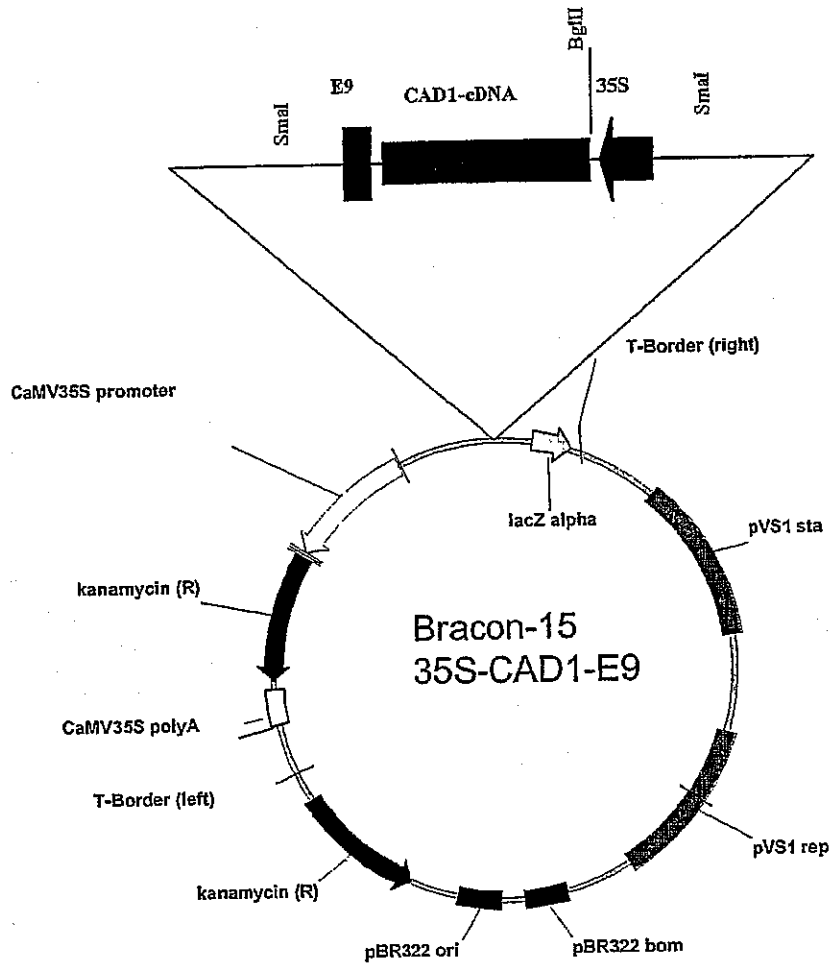

BglII
E9
CAD1-cDNA
35S
SmaI
SmaI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-15
35S-CAD1-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-15.

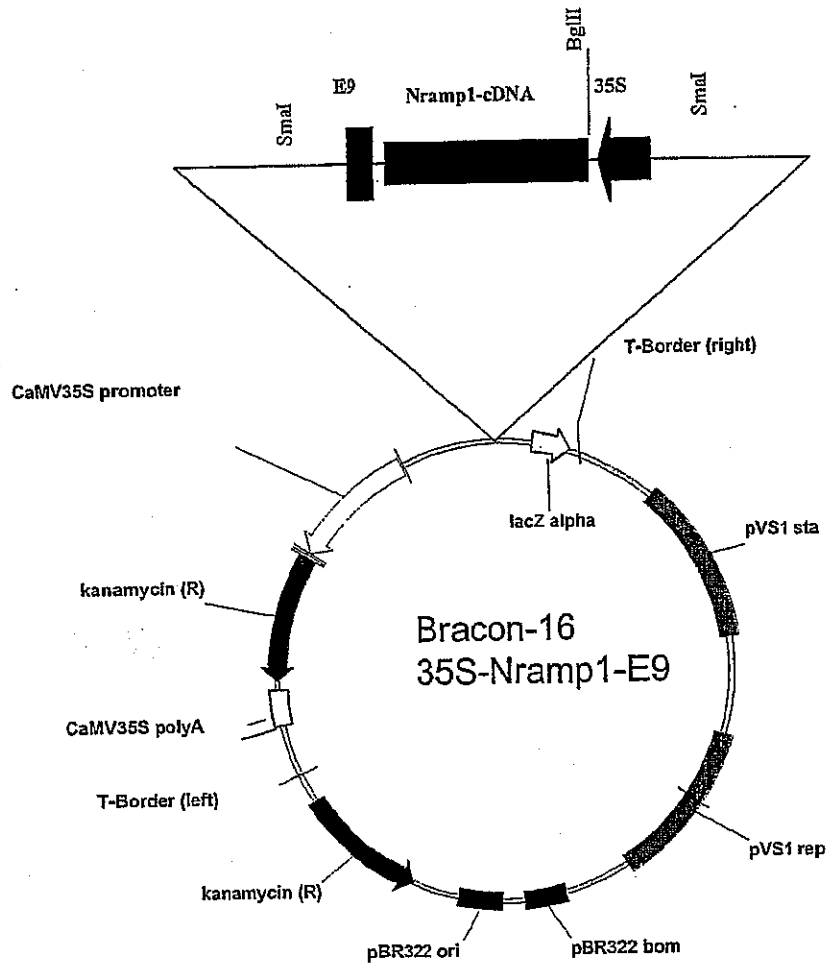

BglII
SmaI
E9
Nramp1-cDNA
35S
SmaI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-16
35S-Nramp1-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-16.

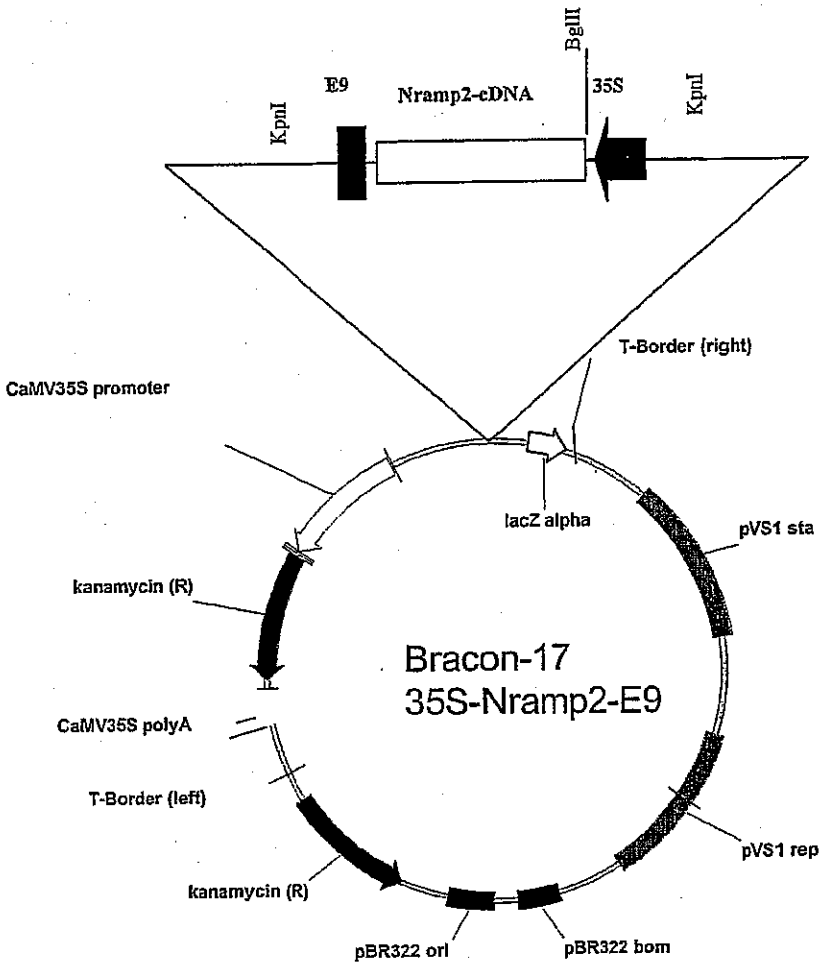

BglII
E9
Nramp2-cDNA
35S
KpnI
KpnI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-17
35S-Nramp2-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-17.

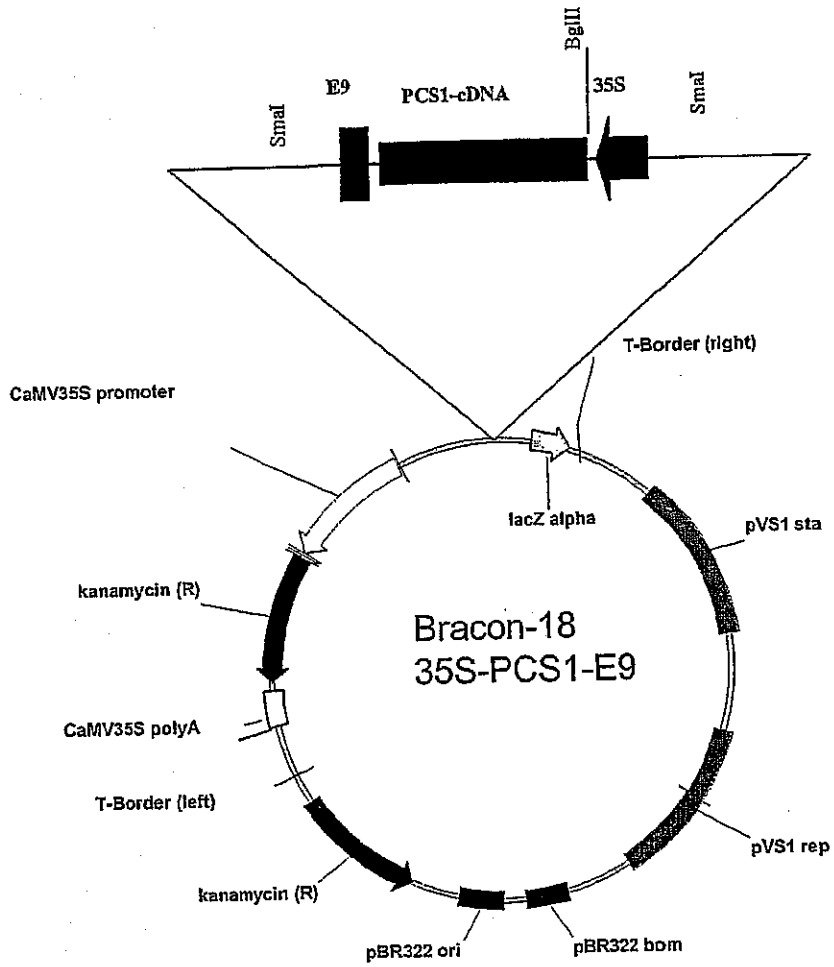

BglII
E9
PCS1-cDNA
35S
SmaI
SmaI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-18
35S-PCS1-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-18.

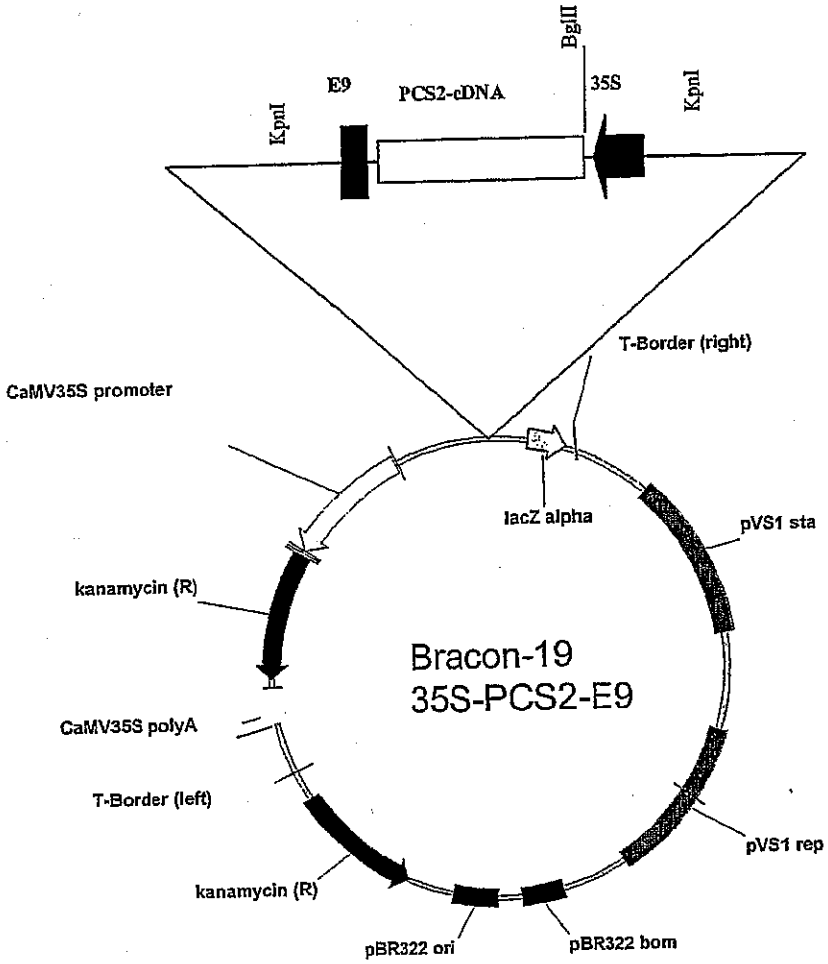

BglII
E9
PCS2-cDNA
35S
KpnI
KpnI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-19
35S-PCS2-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-19.

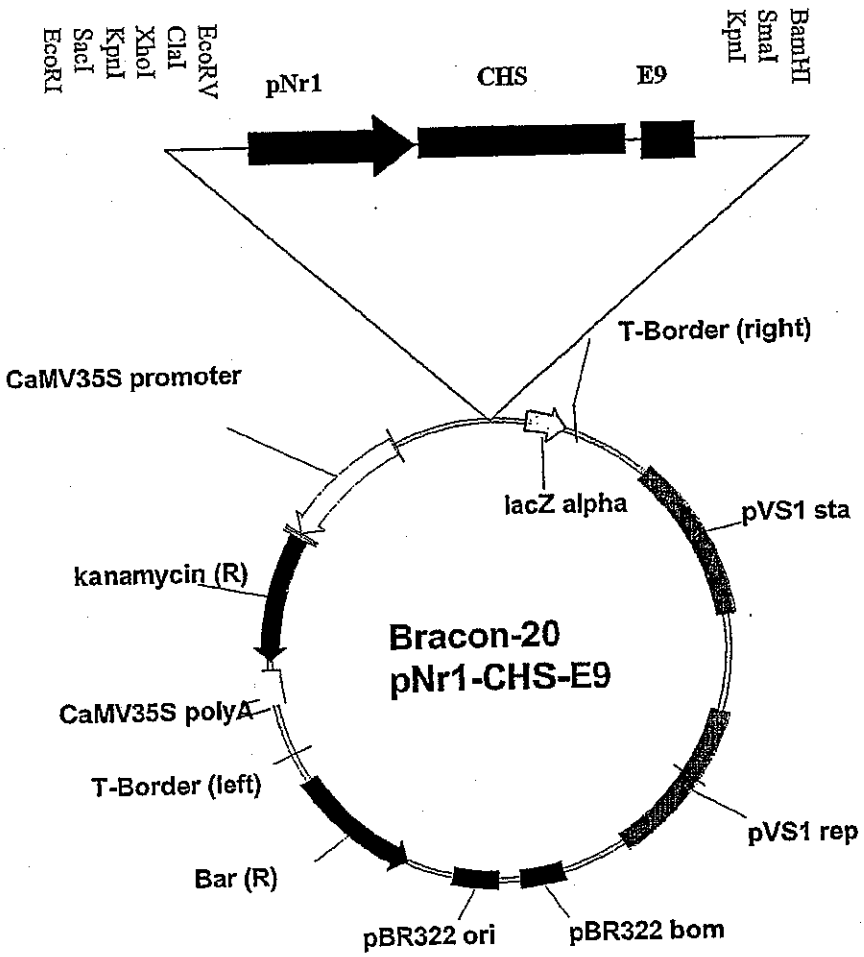

EcoRI
SacI
KpnI
XhoI
ClaI
EcoRV
pNr1
CHS
E9
KpnI
SmaI
BamHI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-20
pNr1-CHS-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
Bar (R)
pBR322 ori
pBR322 bom

Fig-20.

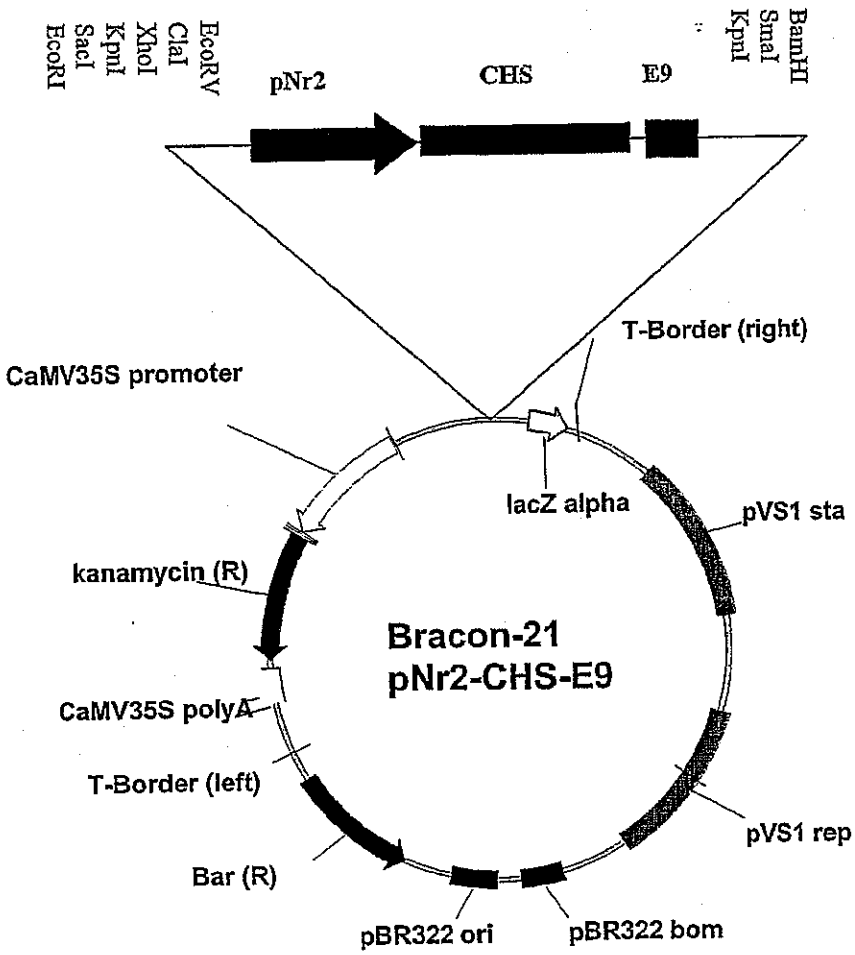

EcoRI
SacI
KpnI
XhoI
ClaI
EcoRV
pNr2
CHS
E9
KpnI
SmaI
BamHI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-21
pNr2-CHS-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
Bar (R)
pBR322 ori
pBR322 bom

Fig-21.

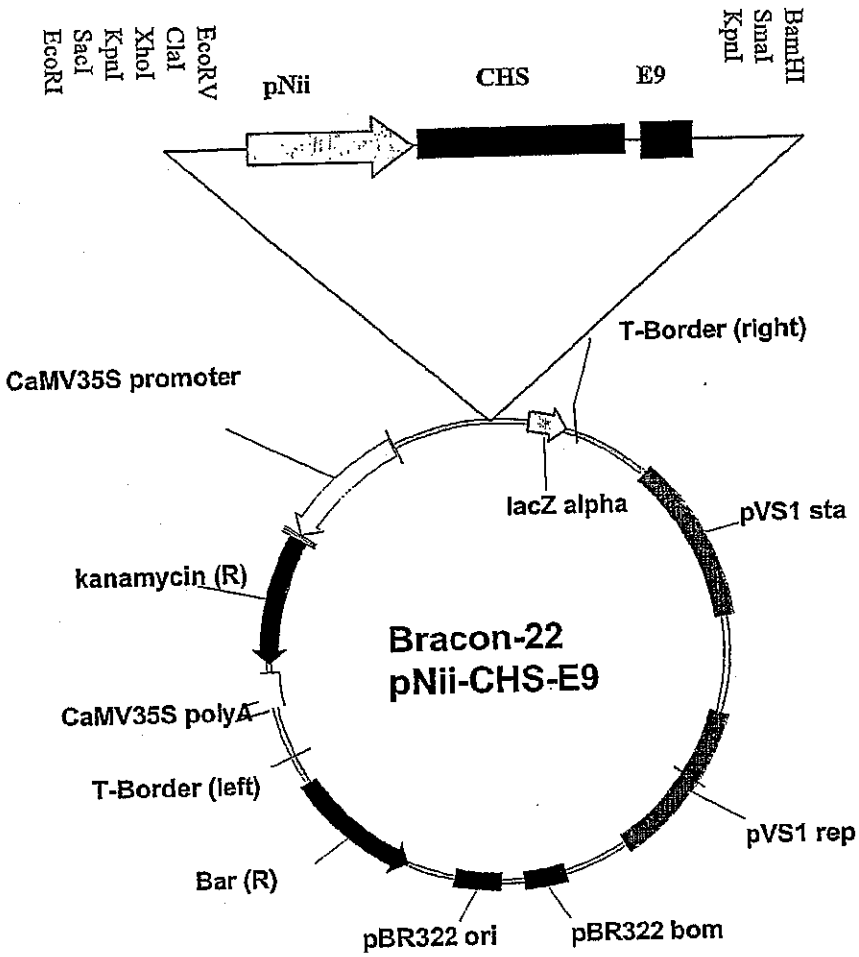

EcoRI
SacI
KpnI
XhoI
ClaI
EcoRV
pNii
CHS
E9
KpnI
SmaI
BamHI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-22
pNii-CHS-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
Bar (R)
pBR322 ori
pBR322 bom

Fig-22.

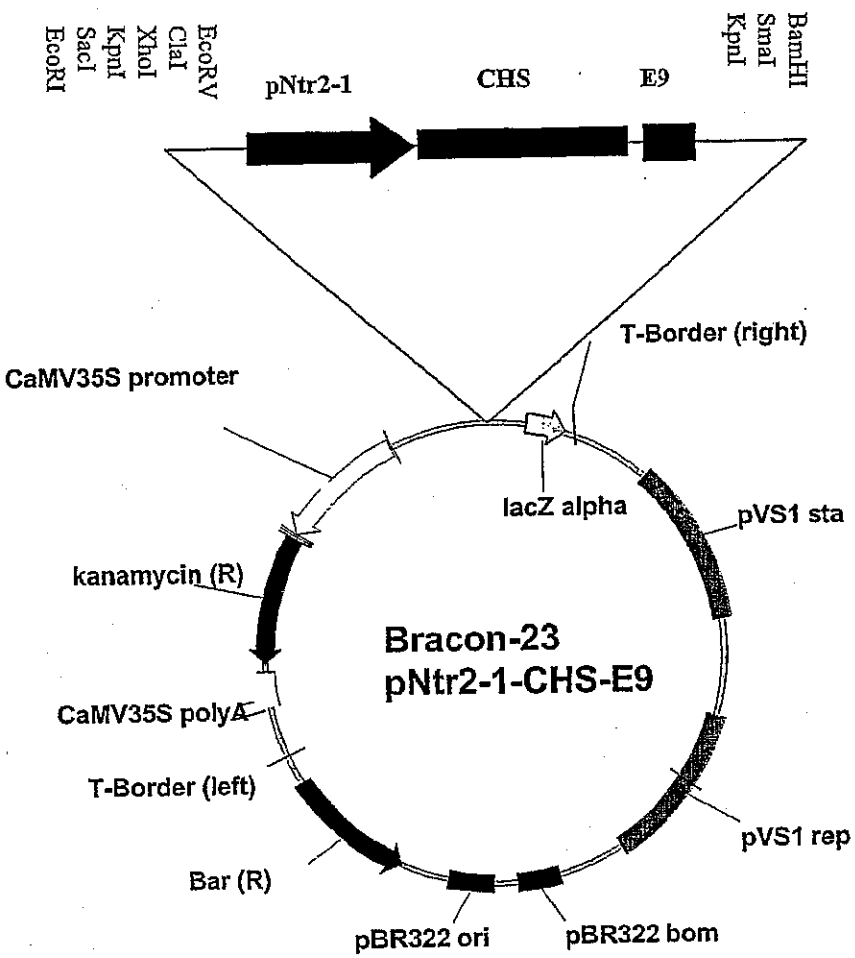

EcoRI
SacI
KpnI
XhoI
ClaI
EcoRV
pNtr2-1
CHS
E9
KpnI
SmaI
BamHI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-23
pNtr2-1-CHS-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
Bar (R)
pBR322 ori
pBR322 bom

Fig-23.

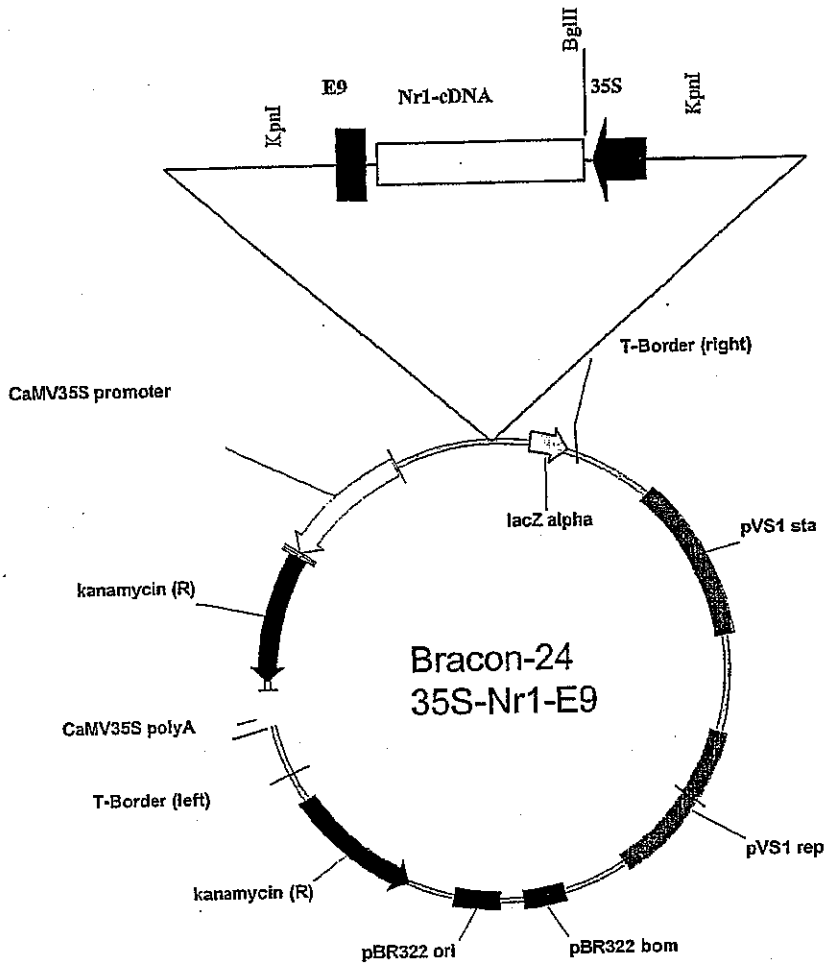

BglII
E9
Nr1-cDNA
35S
KpnI
KpnI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-24
35S-Nr1-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-24.

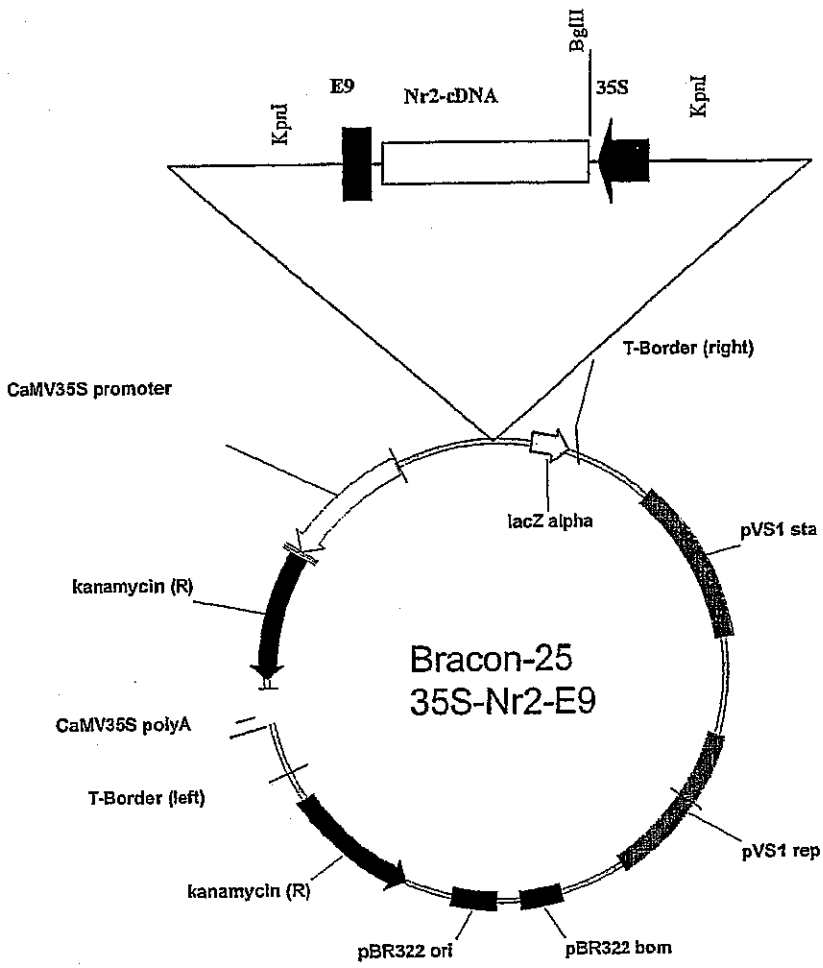

BglII
E9
Nr2-cDNA
35S
KpnI
KpnI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-25
35S-Nr2-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-25.

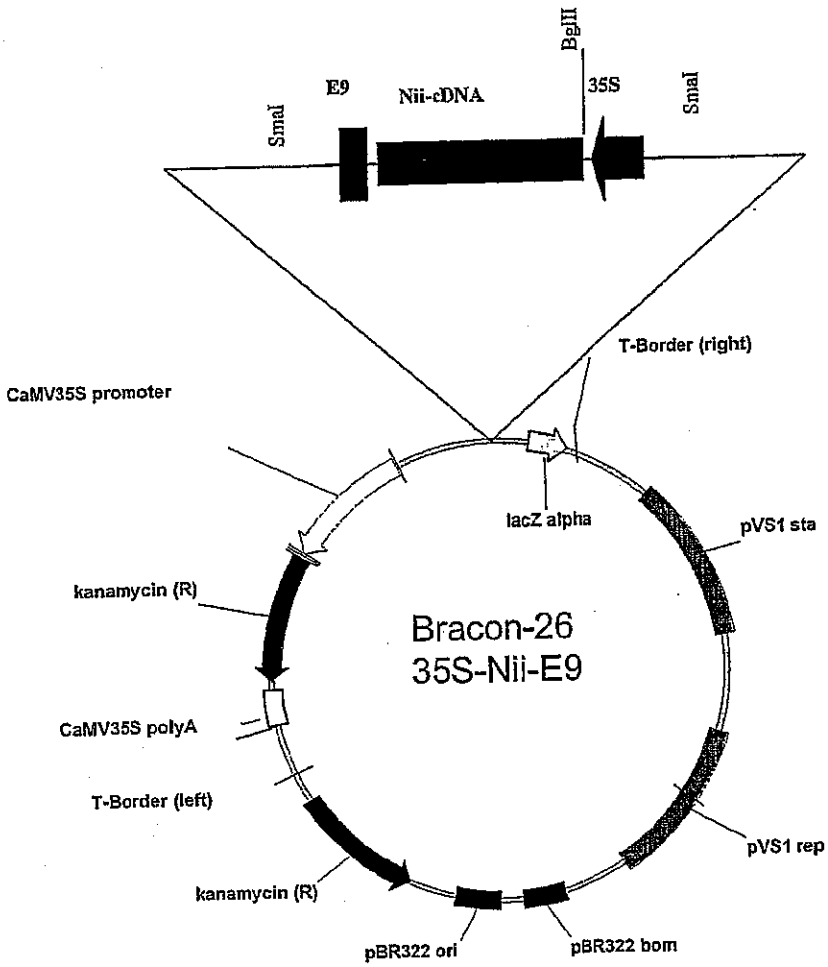

BglII
E9
Nii-cDNA
35S
SmaI
SmaI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-26
35S-Nii-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-26

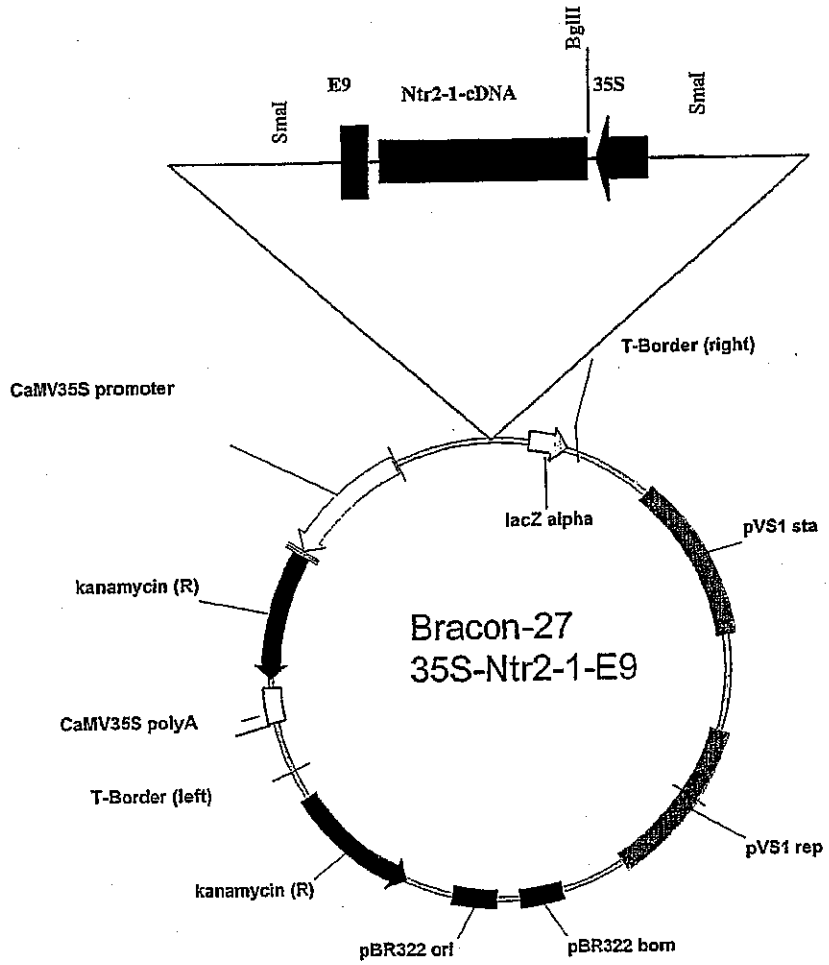

BglII
E9
Ntr2-1-cDNA
35S
SmaI
SmaI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-27
35S-Ntr2-1-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-27.

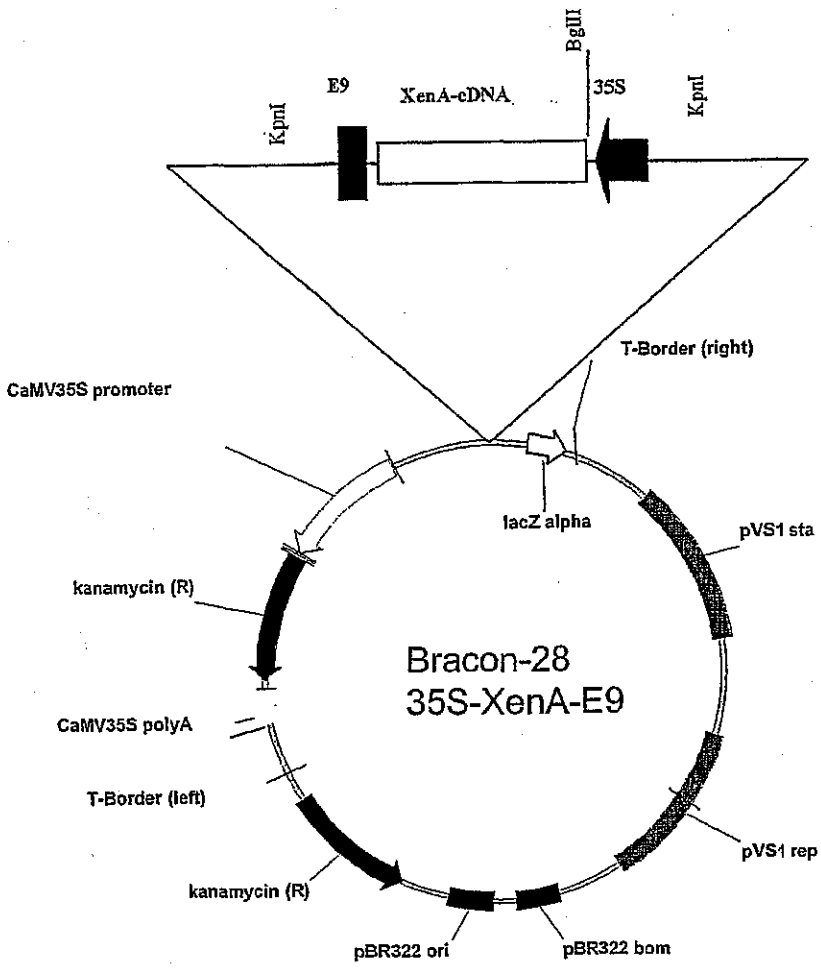

BglII
E9
XenA-cDNA
35S
KpnI
KpnI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-28
35S-XenA-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-28.

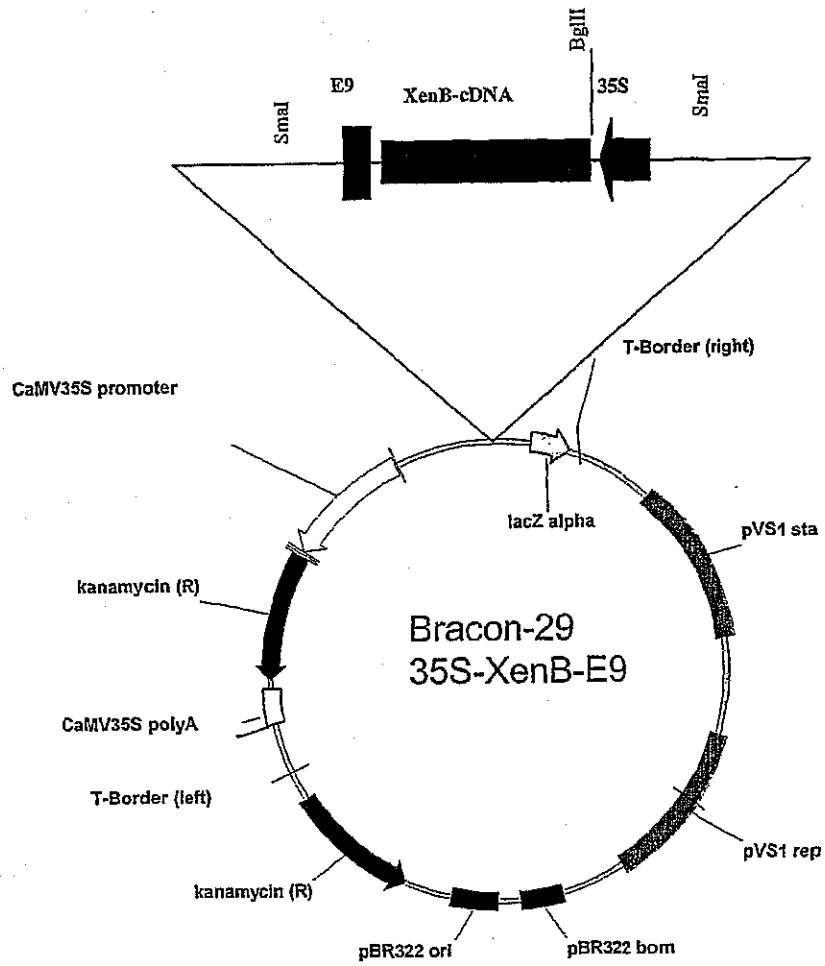

BglII
E9
XenB-cDNA
35S
SmaI
SmaI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-29
35S-XenB-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-29.

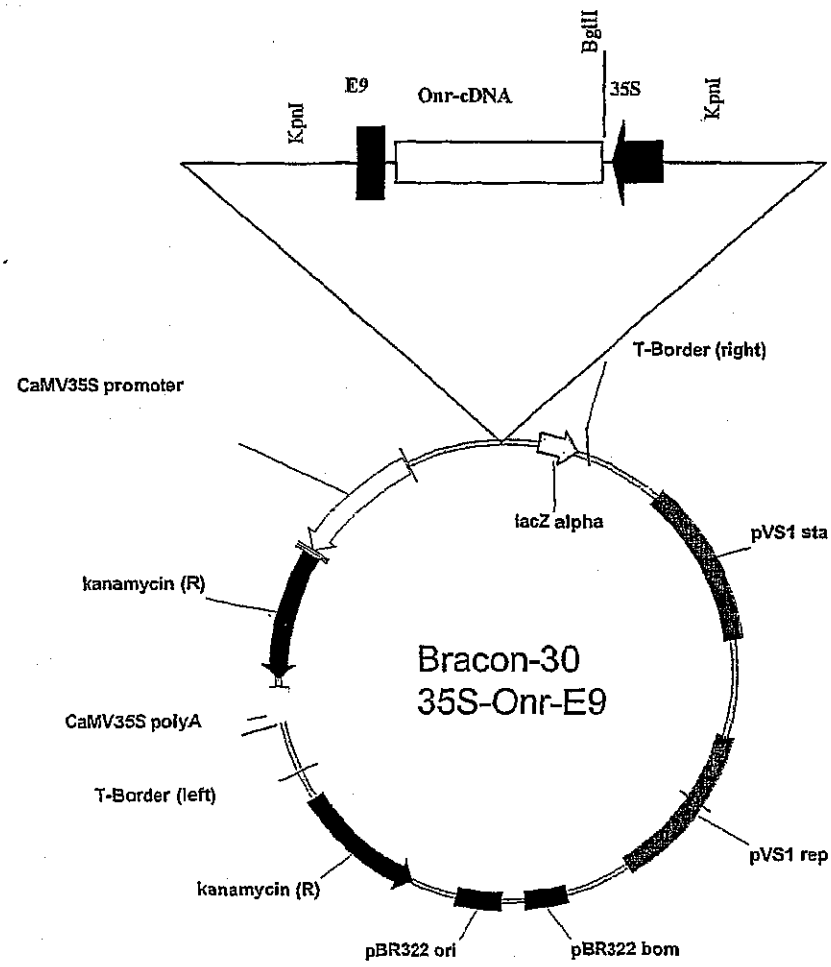

BglII
E9
Onr-cDNA
35S
KpnI
KpnI
T-Border (right)
CaMV35S promoter
lacZ alpha
pVS1 sta
kanamycin (R)
Bracon-30
35S-Onr-E9
CaMV35S polyA
T-Border (left)
pVS1 rep
kanamycin (R)
pBR322 ori
pBR322 bom

Fig-30.

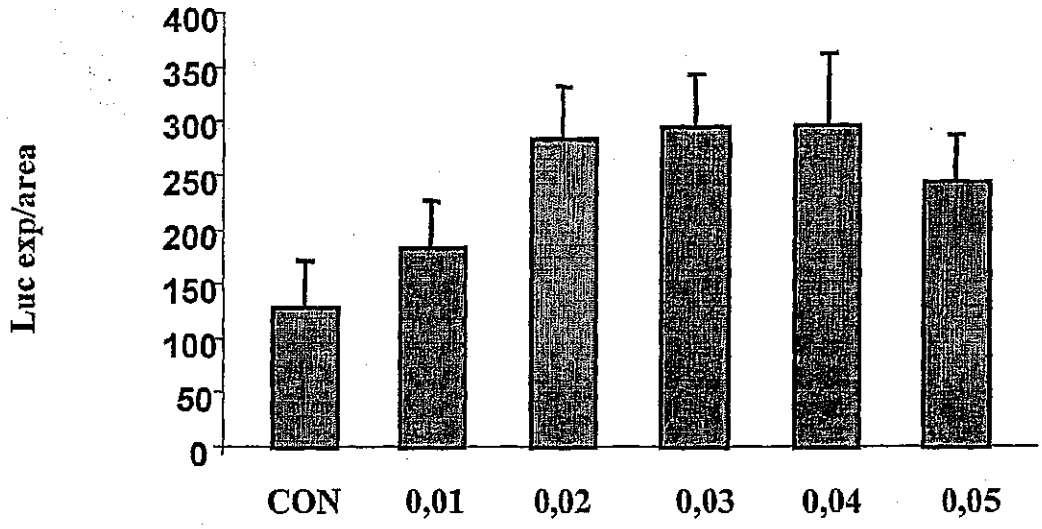

Luc exp/area
400
350
300
250
200
150
100
50
0
CON
0,01
0,02
0,03
0,04
0,05

Fig-31.