Fig.1

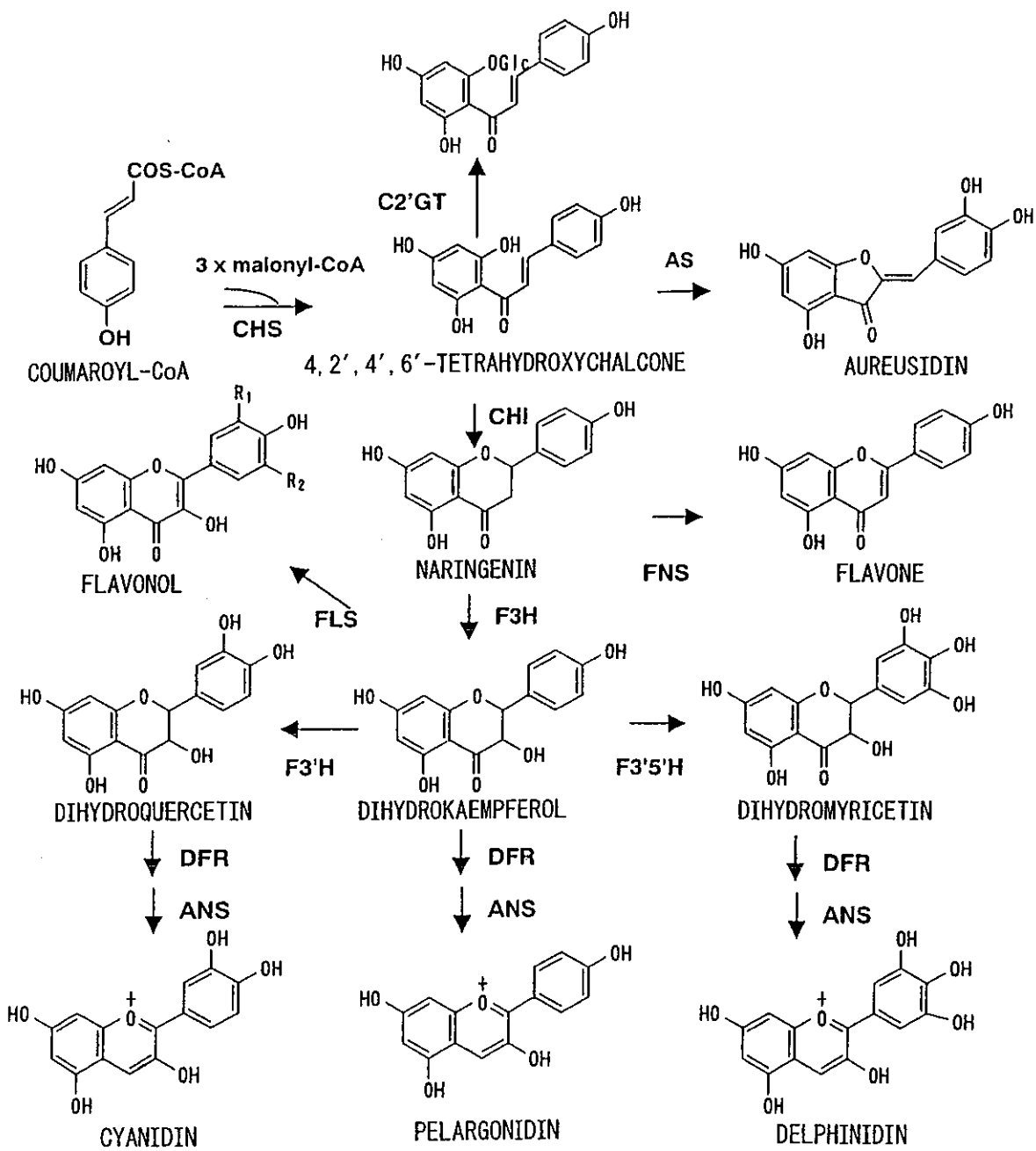

COS-CoA
OH
COUMAROYL-CoA
3 x malonyl-CoA
CHS
C2'GT
Glc
4, 2', 4', 6'-TETRAHYDROXYCHALCONE
AS
AUREUSIDIN
CHI
NARINGENIN
FNS
FLAVONE
FLAVONOL
FLS
F3H
F3'H
F3'5'H
DIHYDROQUERCETIN
DIHYDROKAEMPFEROL
DIHYDROMYRICETIN
DFR
ANS
CYANIDIN
PELARGONIDIN
DELPHINIDIN

Fig.2

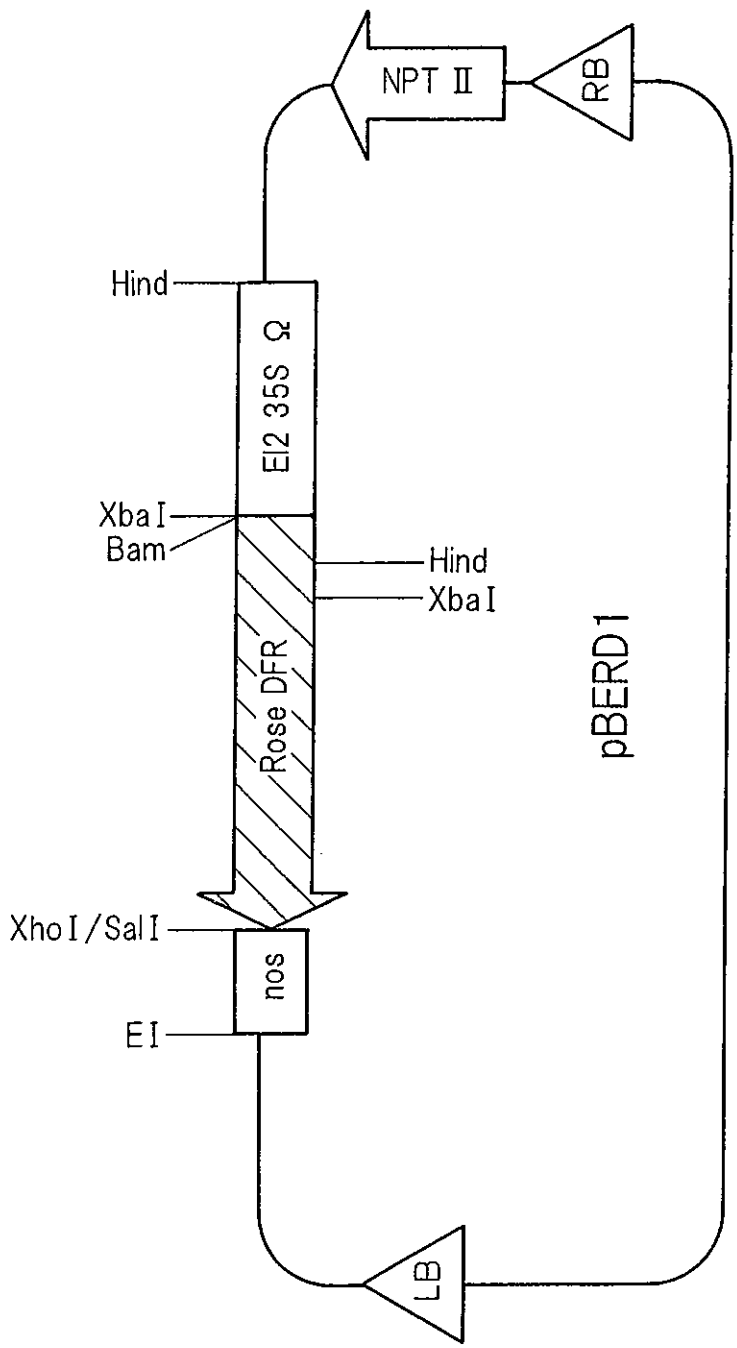

NPT II
RB
Hind
EI2 35S Ω
XbaI
Bam
Hind
XbaI
Rose DFR
pBERD1
XhoI/SalI
nos
EI
LB

Fig.3

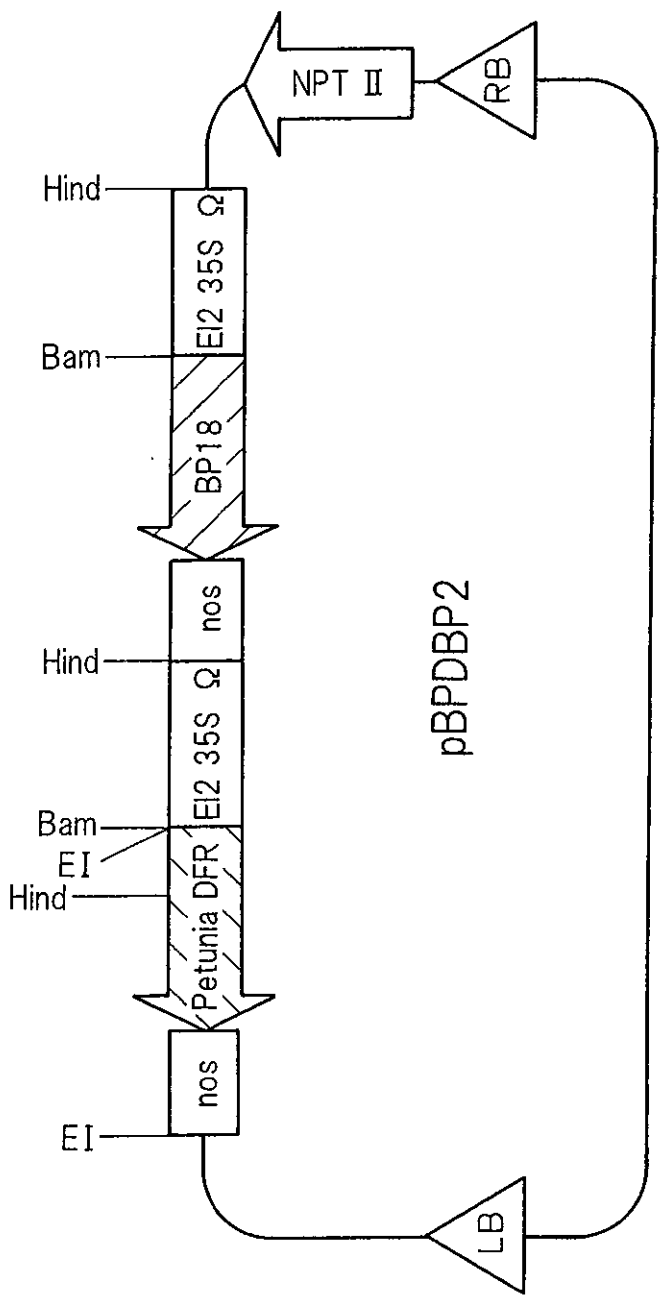

NPT II
RB
Hind
EI2 35S Ω
Bam
BP18
nos
Hind
EI2 35S Ω
Bam
EI
Hind
Petunia DFR
nos
EI
pBPDBP2
LB

Fig.4

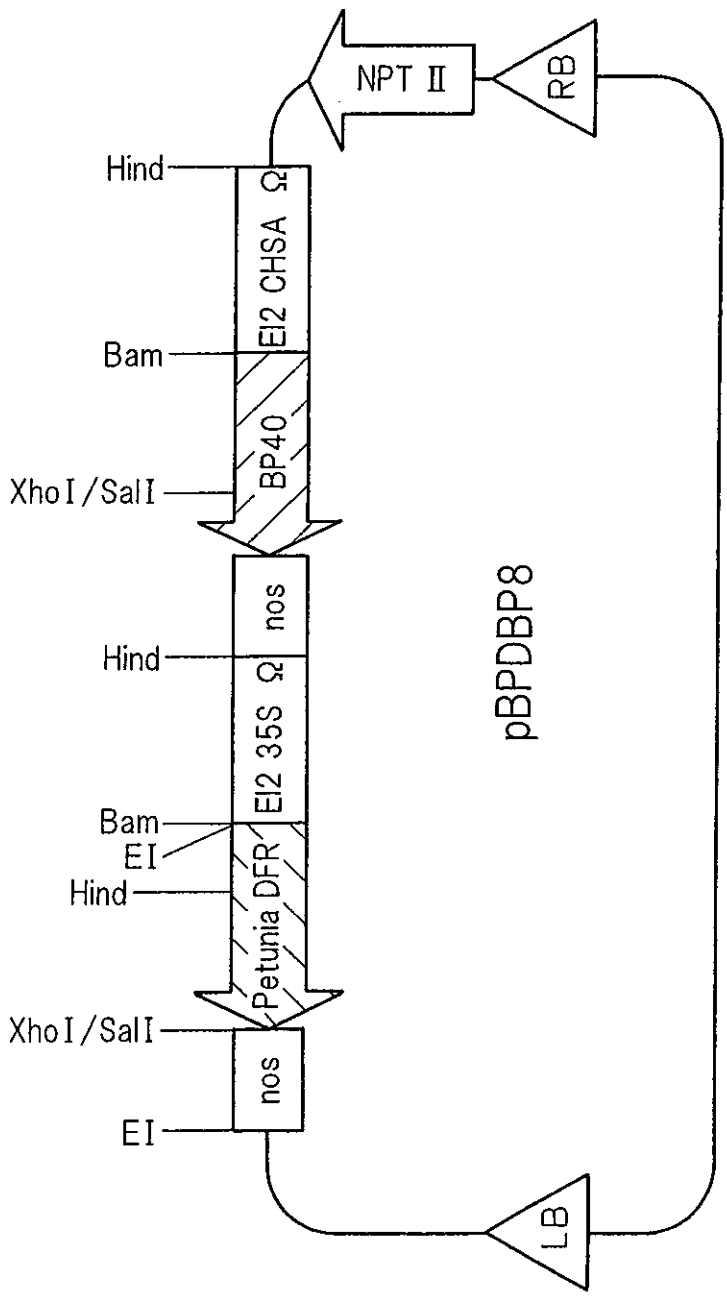

NPT II
RB
Hind
Ω
EI2 CHSA
Bam
BP40
XhoI/SalI
nos
Hind
Ω
EI2 35S
Bam
EI
Hind
Petunia DFR
XhoI/SalI
nos
EI
LB
pBPDBP8

Fig.5

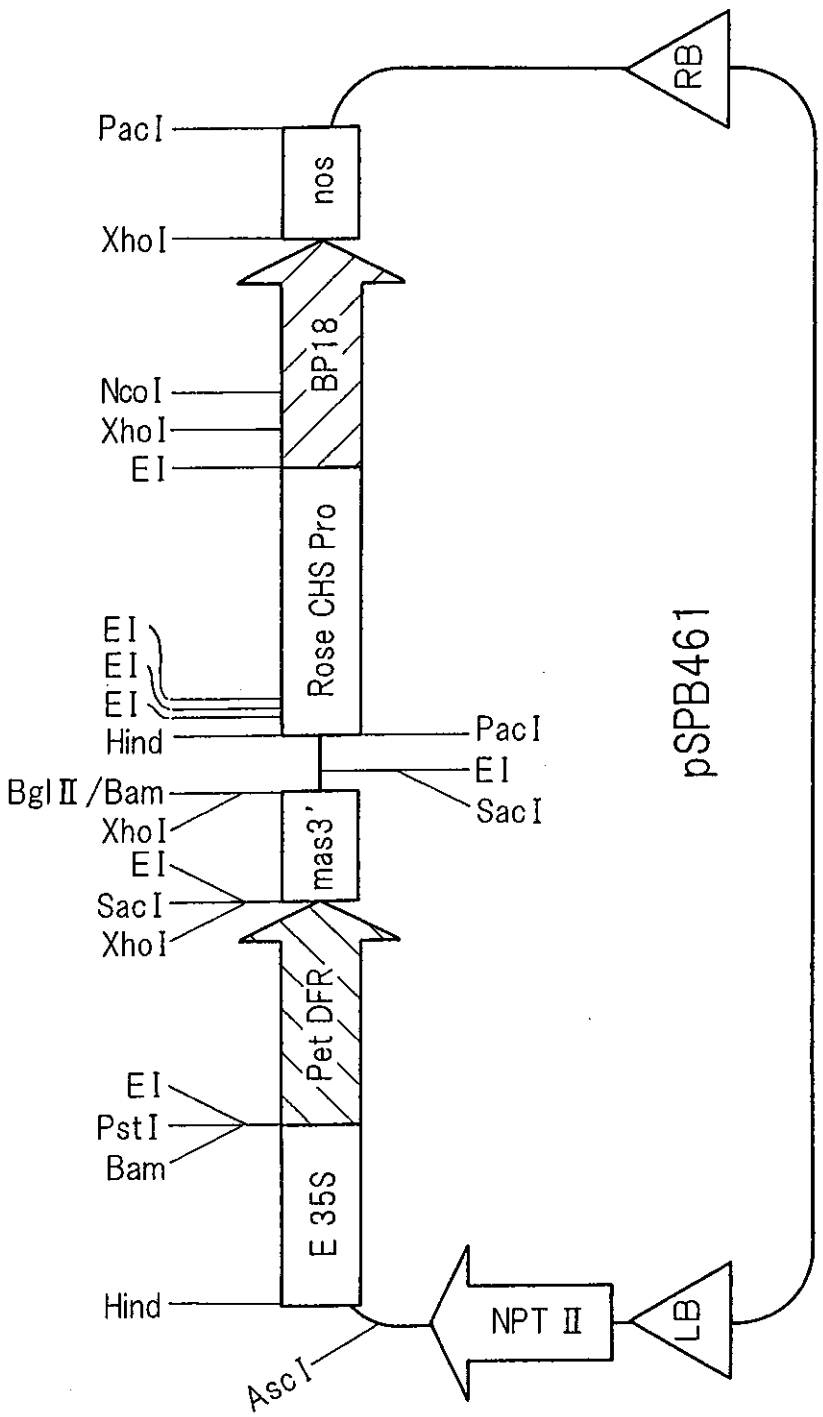

RB
Pac I
nos
Xho I
BP18
Nco I
Xho I
E I
Rose CHS Pro
E I
E I
E I
Hind
Pac I
E I
Sac I
Bgl II / Bam
Xho I
mas3'
E I
Sac I
Xho I
Pet DFR
E I
Pst I
Bam
E 35S
Hind
Asc I
NPT II
LB
pSPB461

Fig.6

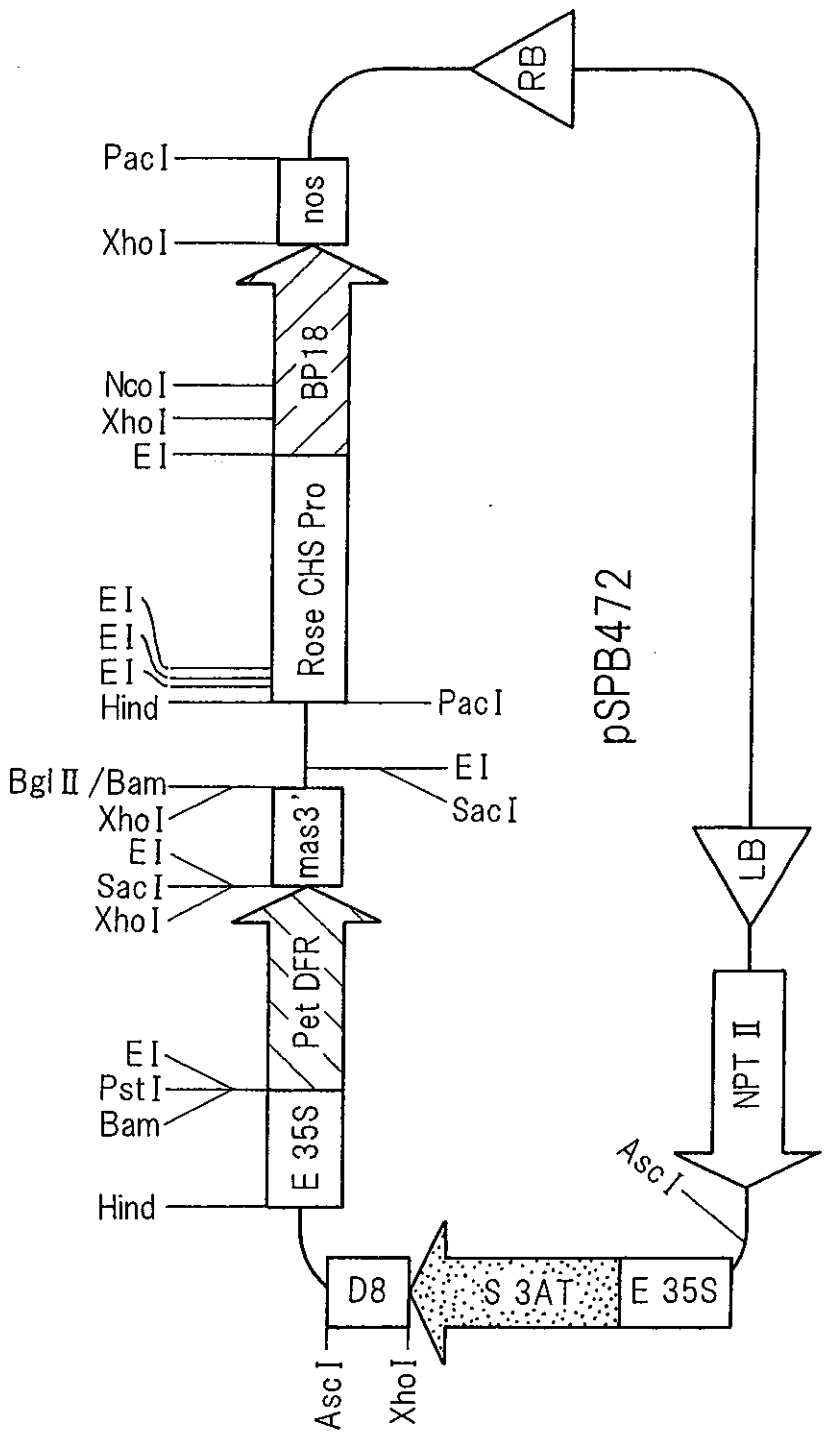

RB
Pac I
Xho I
nos
BP18
Nco I
Xho I
E I
Rose CHS Pro
E I
E I
E I
Hind
Pac I
pSPB472
E I
Sac I
Bgl II /Bam
Xho I
E I
Sac I
Xho I
mas3'
LB
Pet DFR
E I
Pst I
Bam
E 35S
NPT II
Asc I
Hind
D8
S 3AT
E 35S
Asc I
Xho I

Fig.7

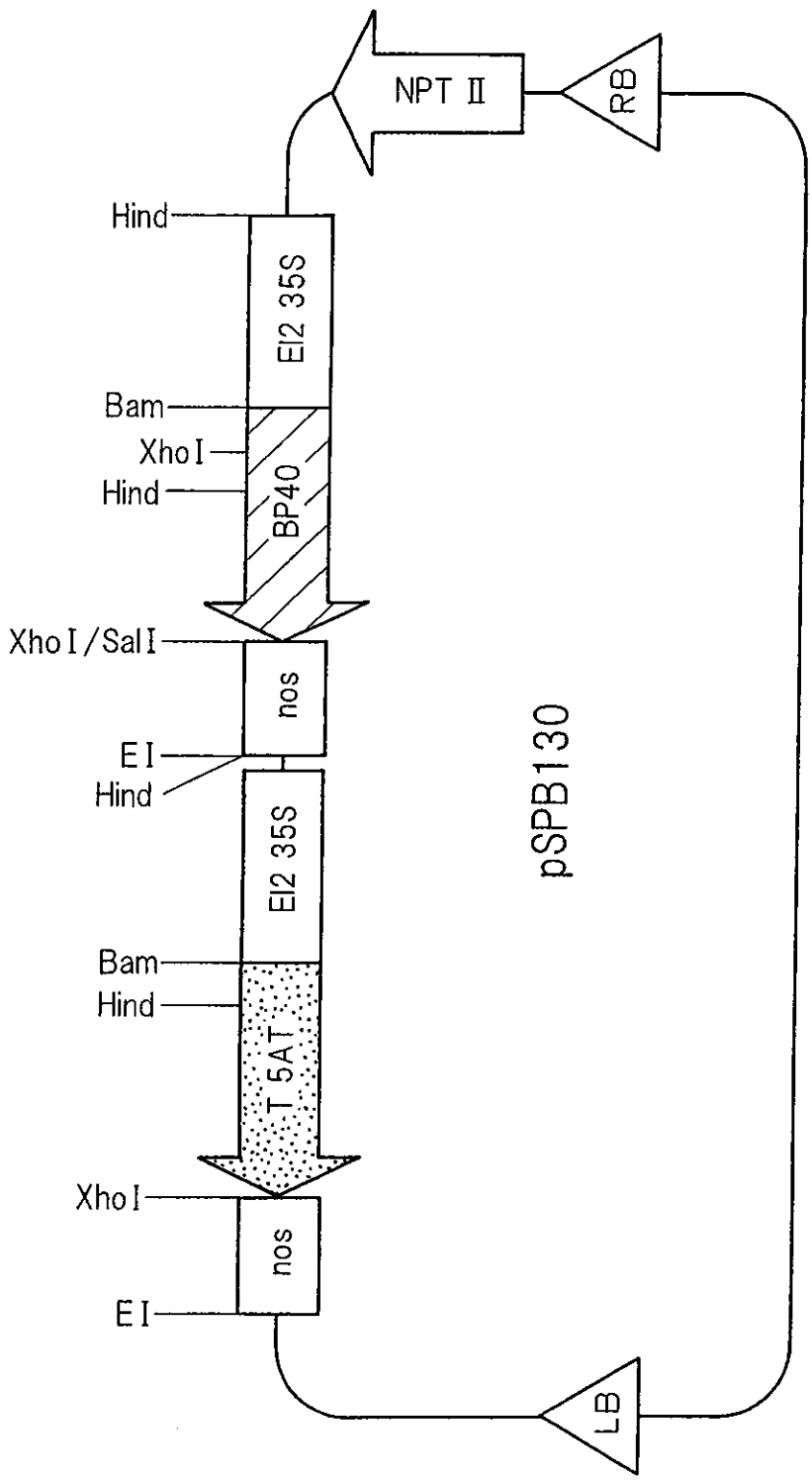

NPT II
RB
Hind
EI2 35S
Bam
XhoI
Hind
BP40
XhoI/SalI
nos
EI
Hind
EI2 35S
Bam
Hind
T 5AT
XhoI
nos
EI
LB
pSPB130

Fig.8

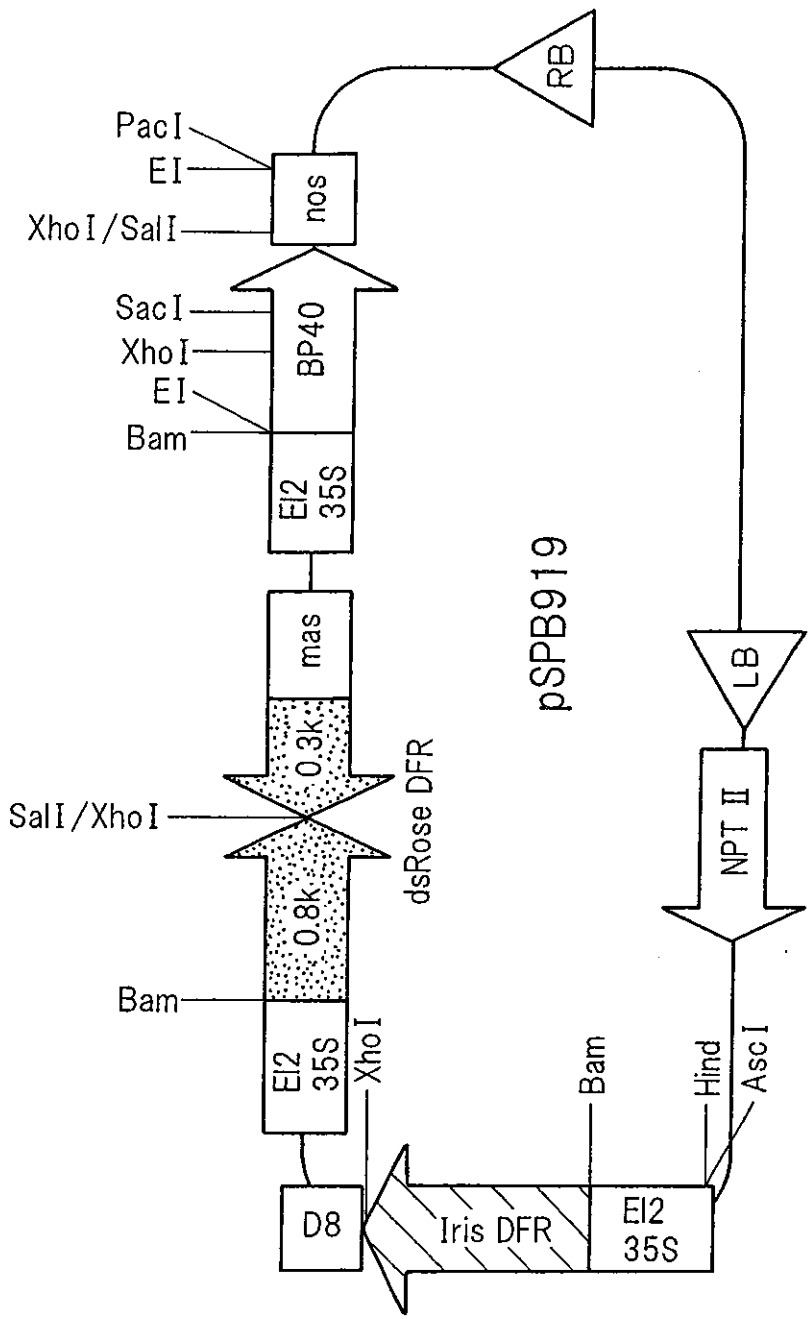

RB
PacI
EI
XhoI/SalI
nos
SacI
XhoI
EI
Bam
BP40
EI2 35S
mas
0.3k
SalI/XhoI
dsRose DFR
0.8k
Bam
EI2 35S
XhoI
pSPB919
LB
NPT II
Bam
Hind
AscI
D8
Iris DFR
EI2 35S

Fig.9

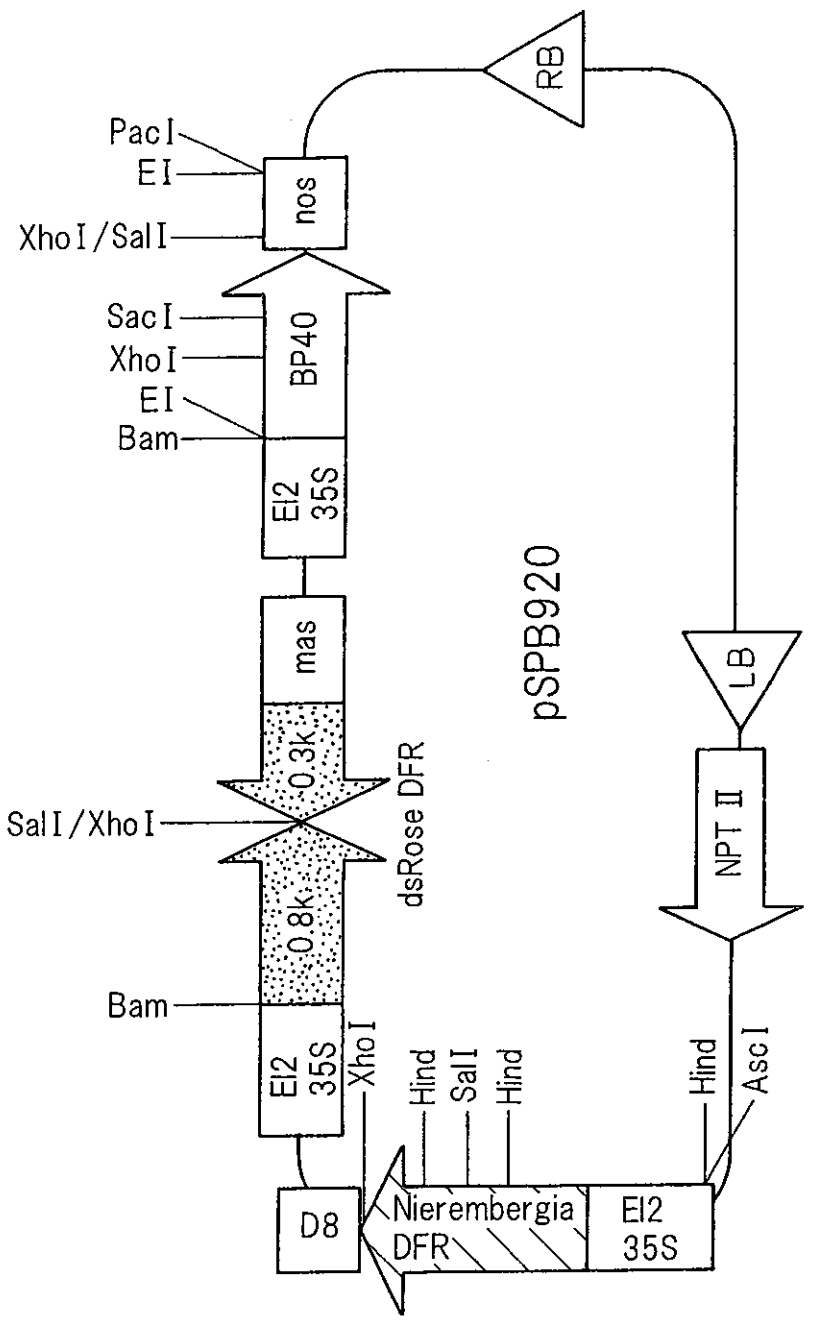
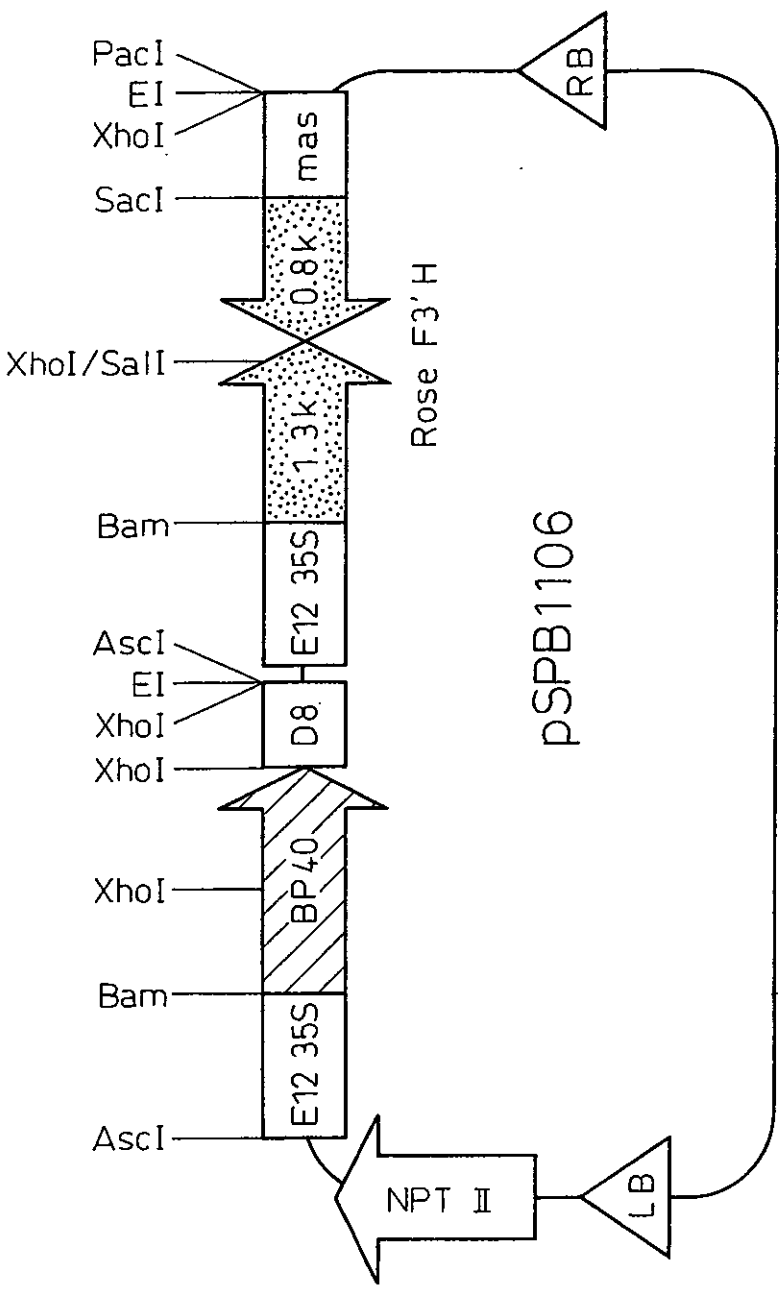

RB
PacI
EI
XhoI/SalI
nos
SacI
XhoI
EI
Bam
BP40
EI2 35S
mas
0.3k
SalI/XhoI
0.8k
dsRose DFR
Bam
EI2 35S
XhoI
Hind
SalI
Hind
D8
Nierembergia DFR
EI2 35S
Hind
AscI
pSPB920
LB
NPT II

Fig.10


PacI
EI
XhoI
SacI
XhoI/SalI
Bam
AscI
EI
XhoI
XhoI
XhoI
Bam
AscI
mas
0.8k
1.3k
E12 35S
D8
BP 40
E12 35S
Rose F3'H
pSPB1106
RB
NPT II
LB