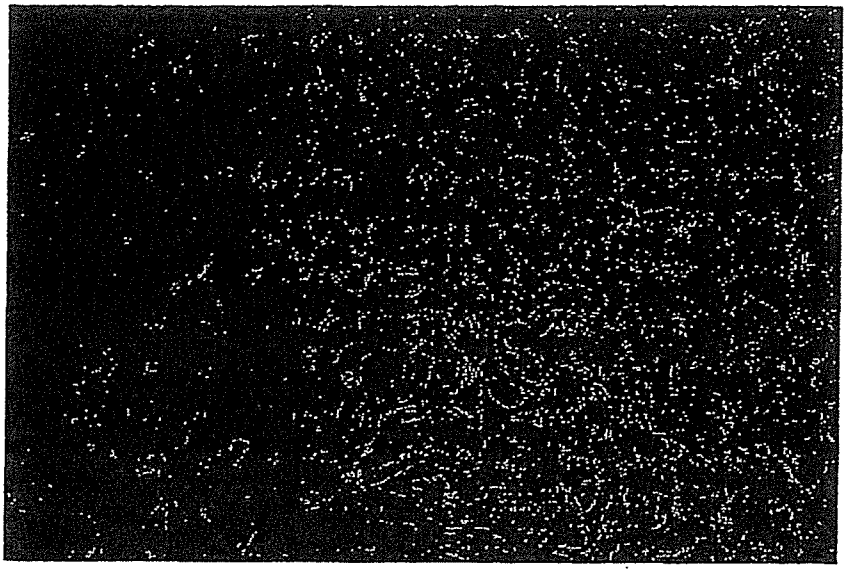


FIG. 1A

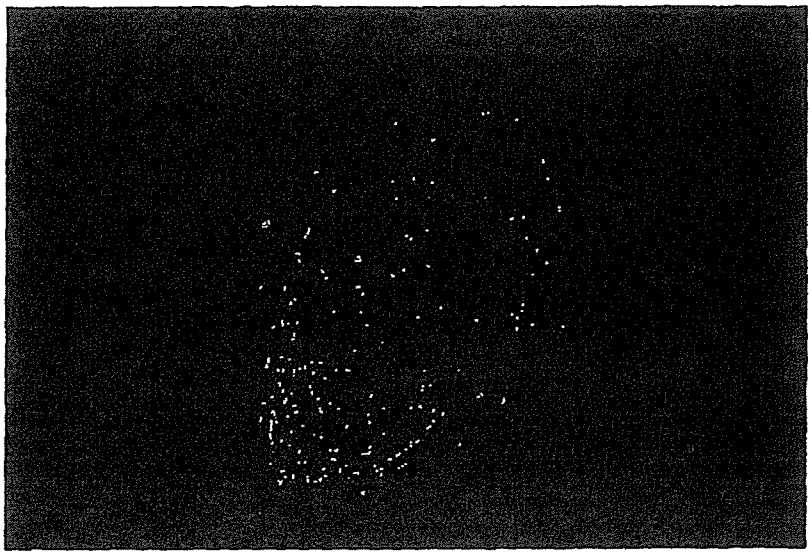


FIG. 1B

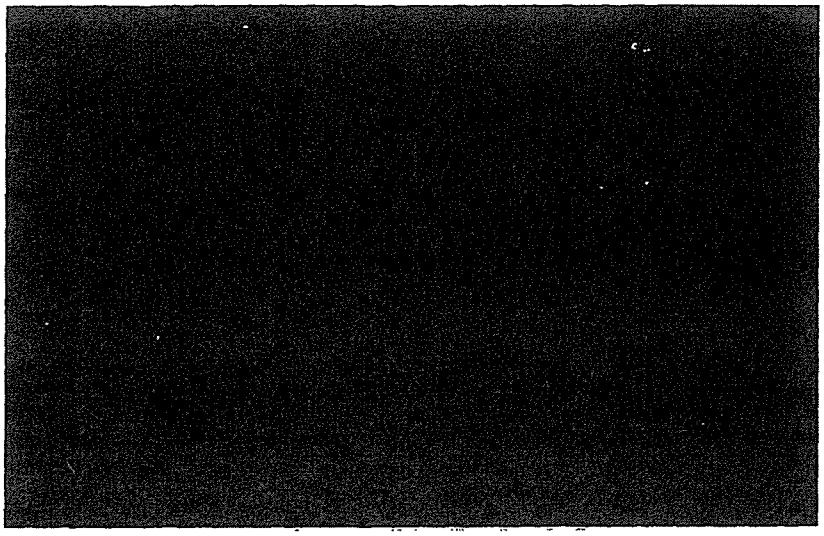


FIG. 1C

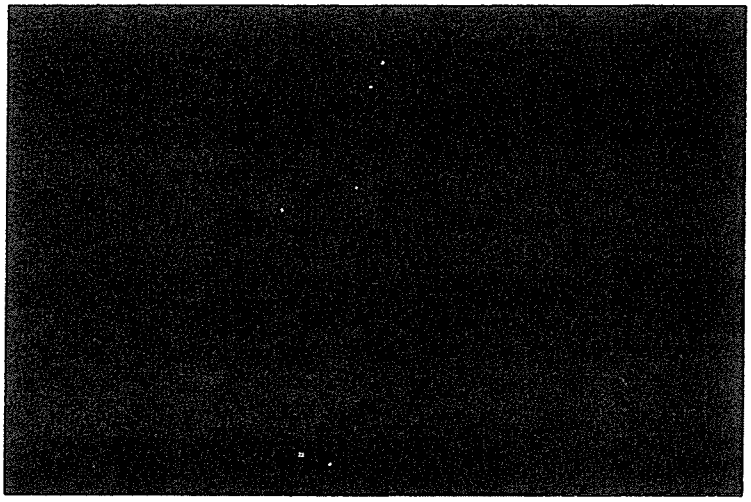


FIG. 1D

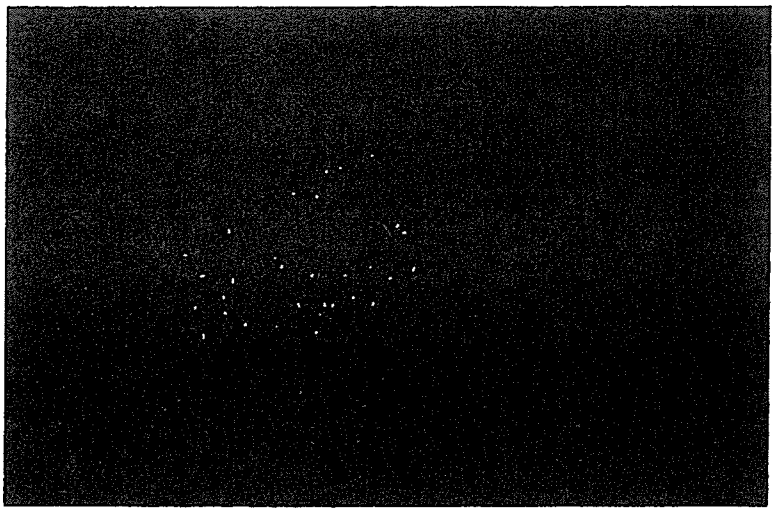


FIG. 1E

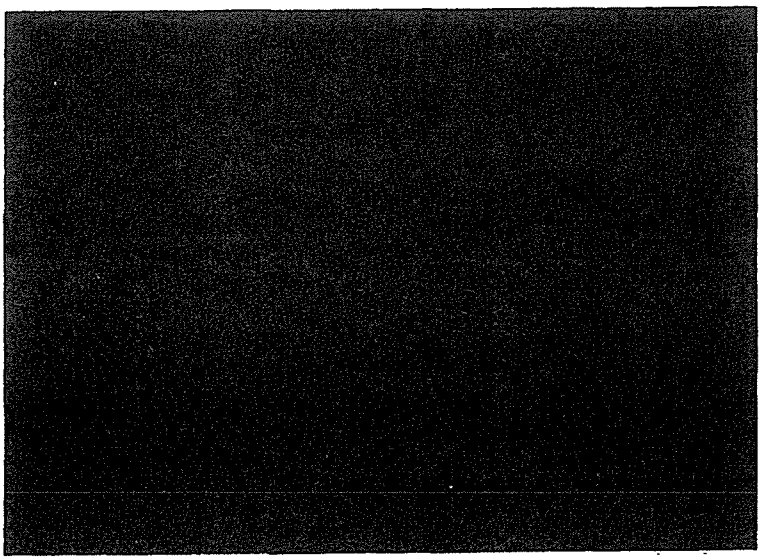


FIG. 1F

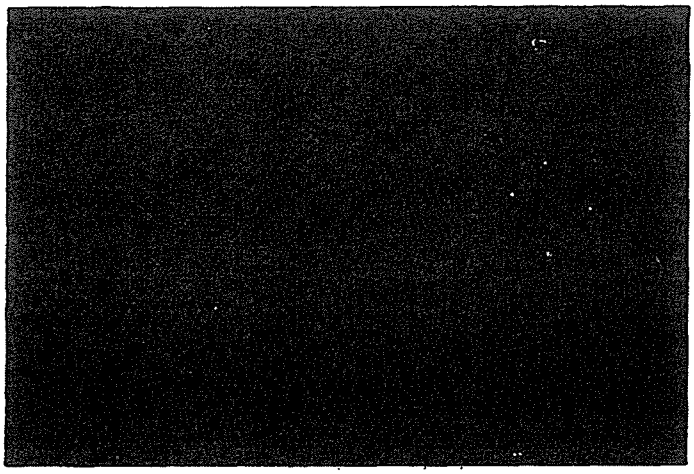


FIG. 1G

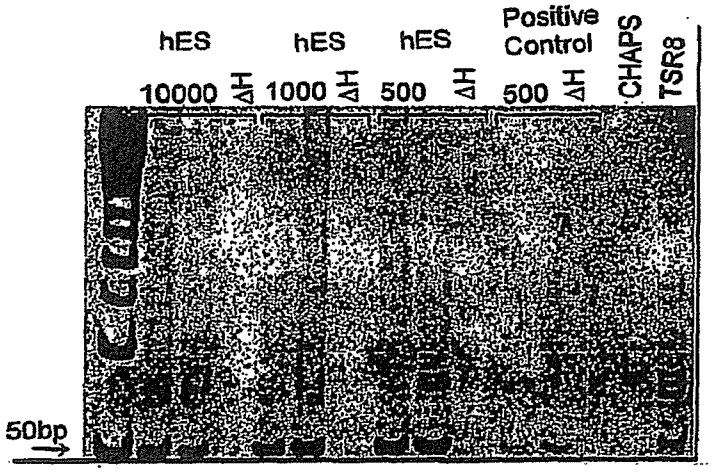

hES
10000
ΔH
hES
1000
ΔH
hES
500
ΔH
Positive Control
500
ΔH
CHAPS
TSR8
50bp

FIG. 2A

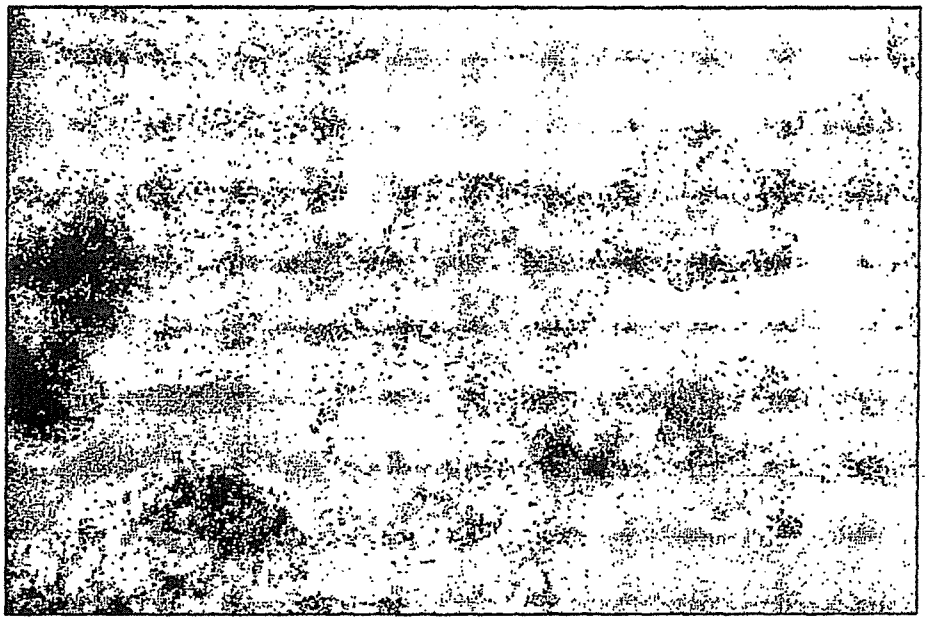


FIG. 2B

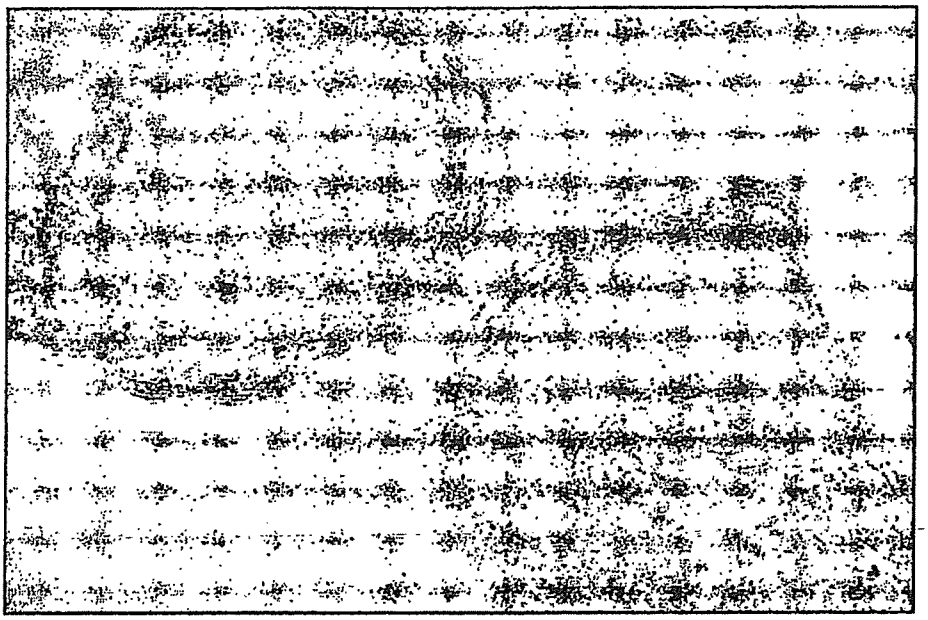


FIG. 2C

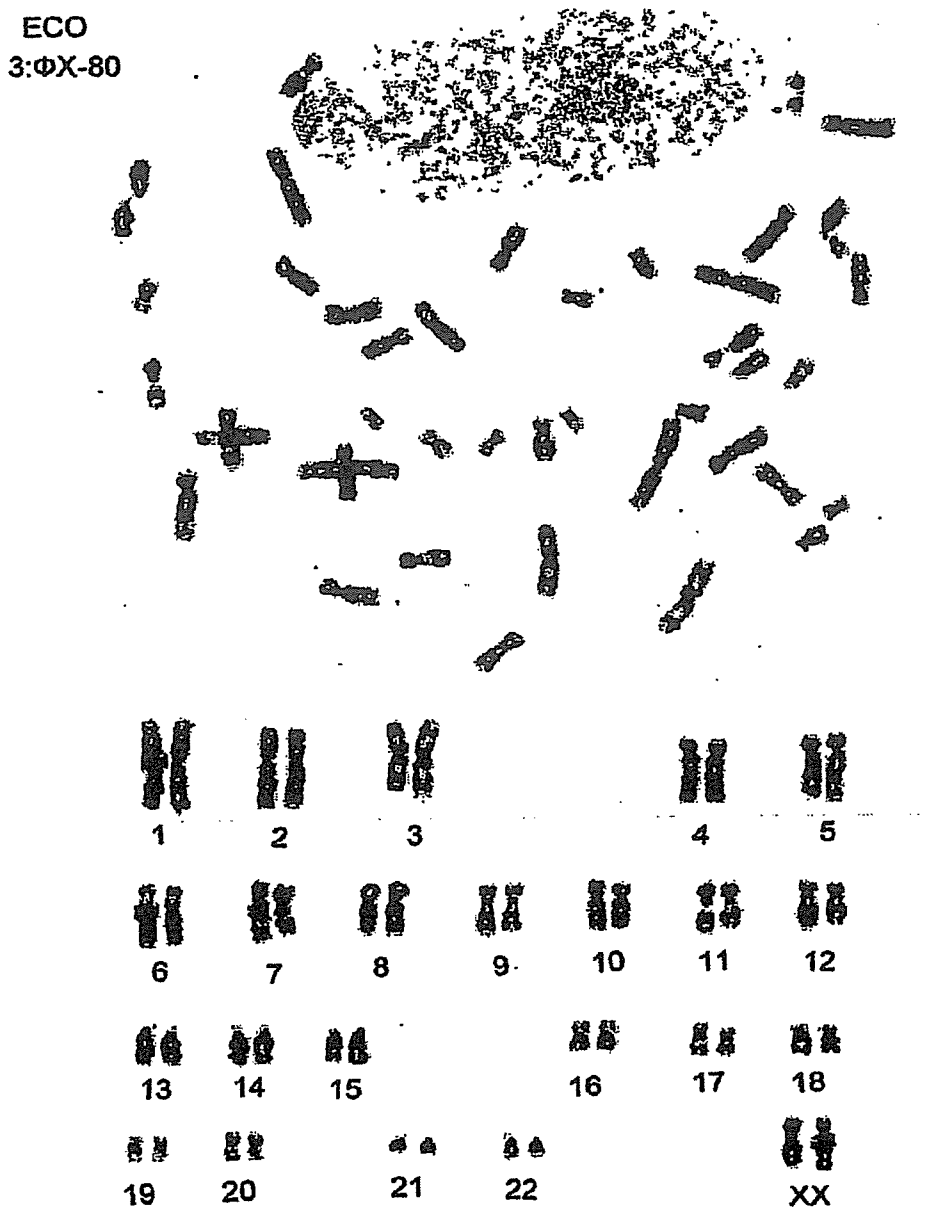


FIG. 2D

Hinf I – $(CAC)_5$

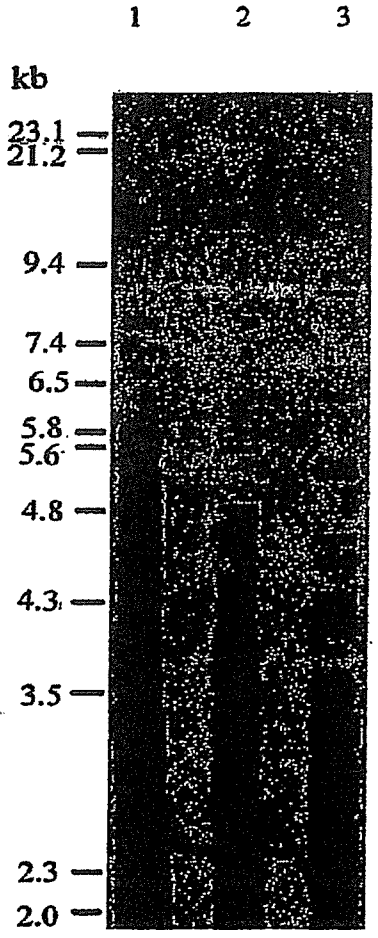


FIG. 2E

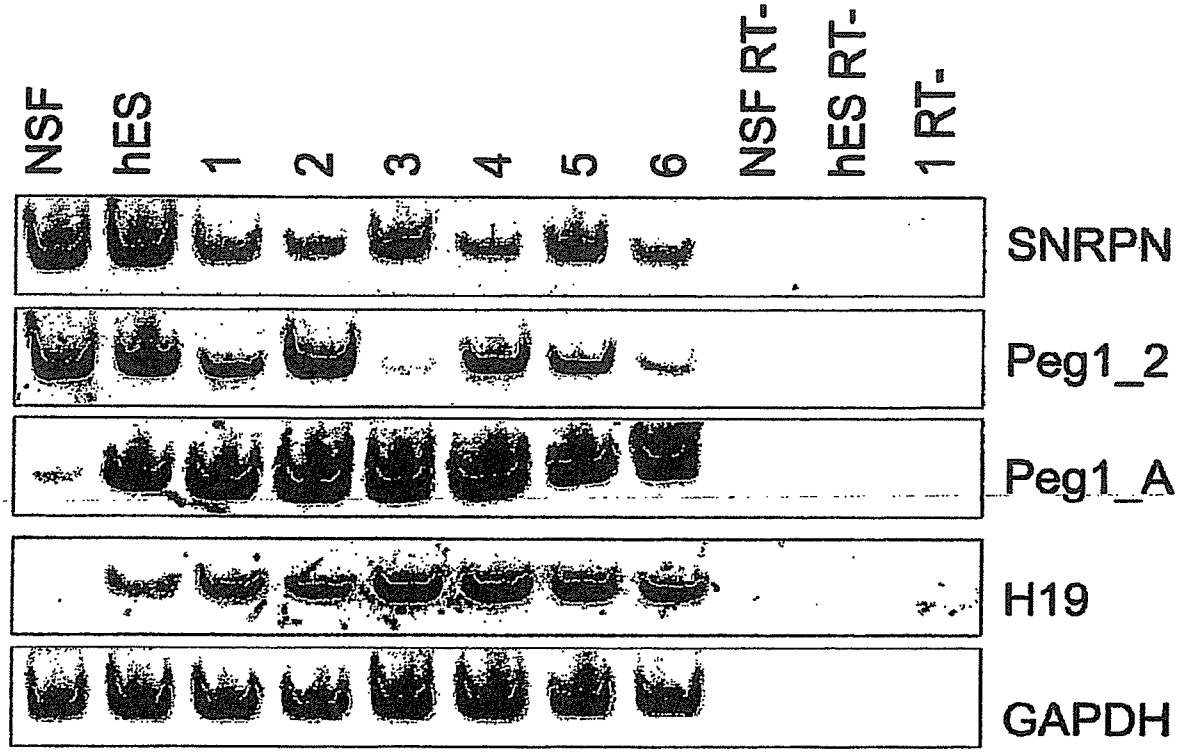


FIG. 3

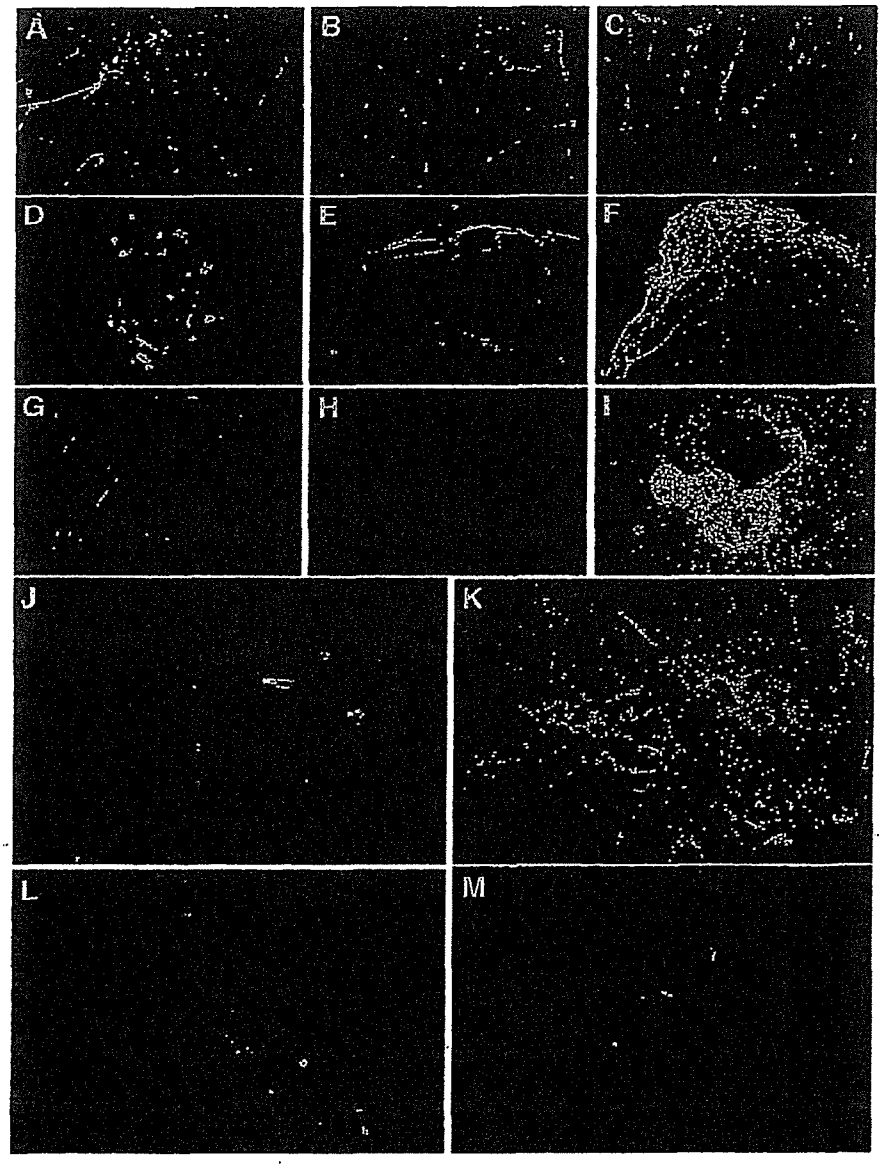


FIG. 4

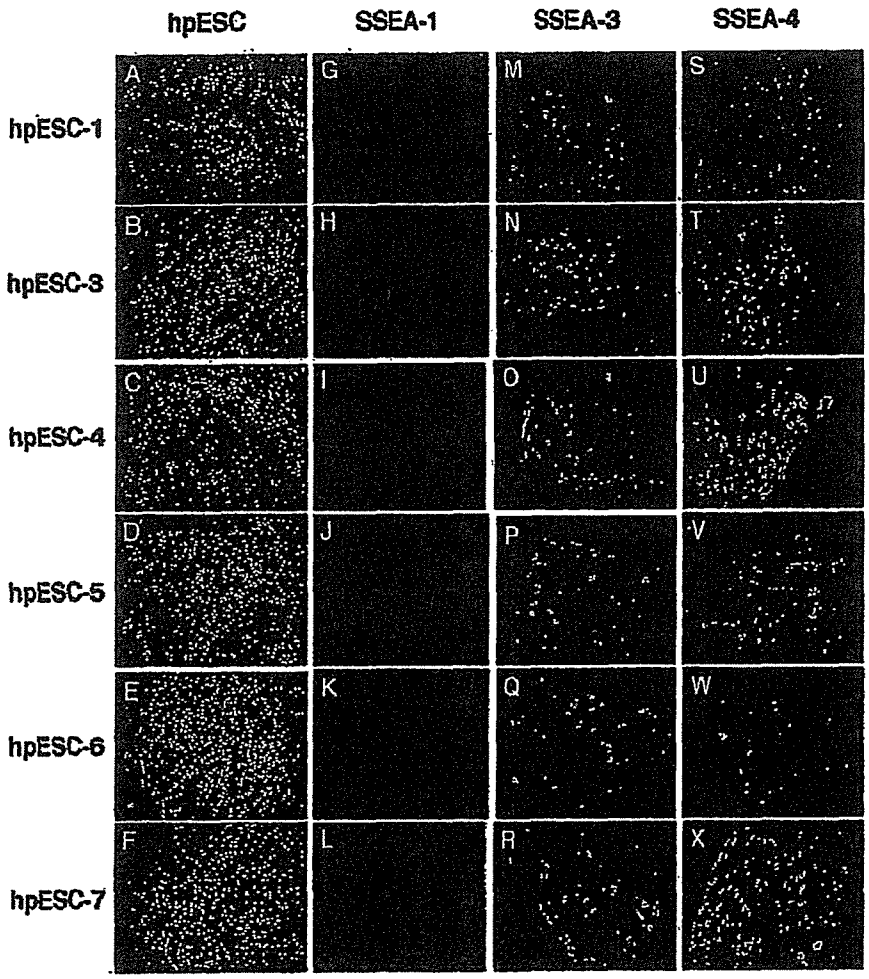

hpESC
SSEA-1
SSEA-3
SSEA-4
hpESC-1
hpESC-3
hpESC-4
hpESC-5
hpESC-6
hpESC-7
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X

FIG. 5

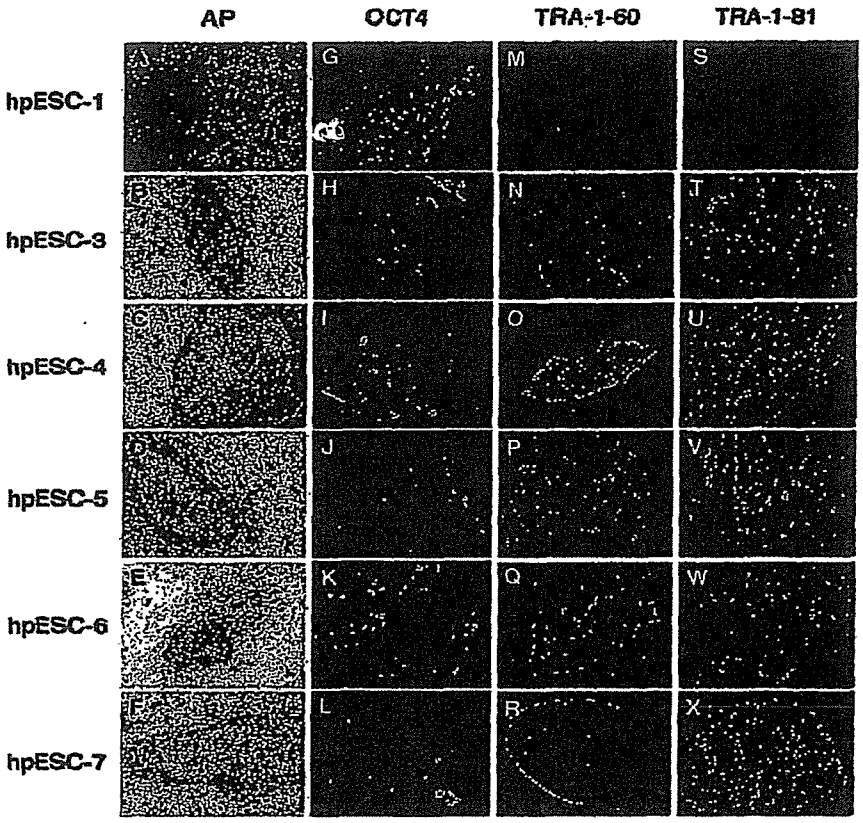

AP
OCT4
TRA-1-60
TRA-1-81
hpESC-1
hpESC-3
hpESC-4
hpESC-5
hpESC-6
hpESC-7
A
G
M
S
B
H
N
T
C
I
O
U
D
J
P
V
E
K
Q
W
F
L
R
X

FIG. 5 (cont'd)

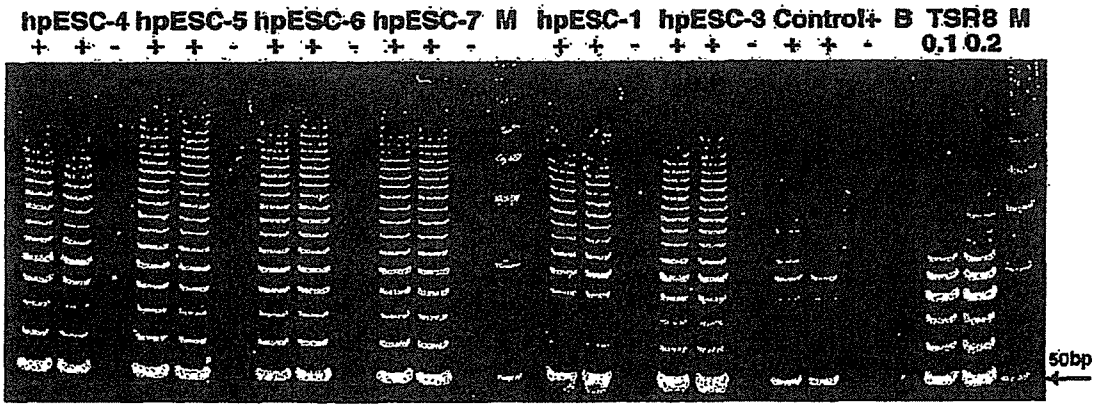

hpESC-4 hpESC-5 hpESC-6 hpESC-7 M hpESC-1 hpESC-3 Control+ B TSR8 M
+ + - + + - + + - + + - + + - + + - + + - 0.1 0.2
50bp

FIG. 6

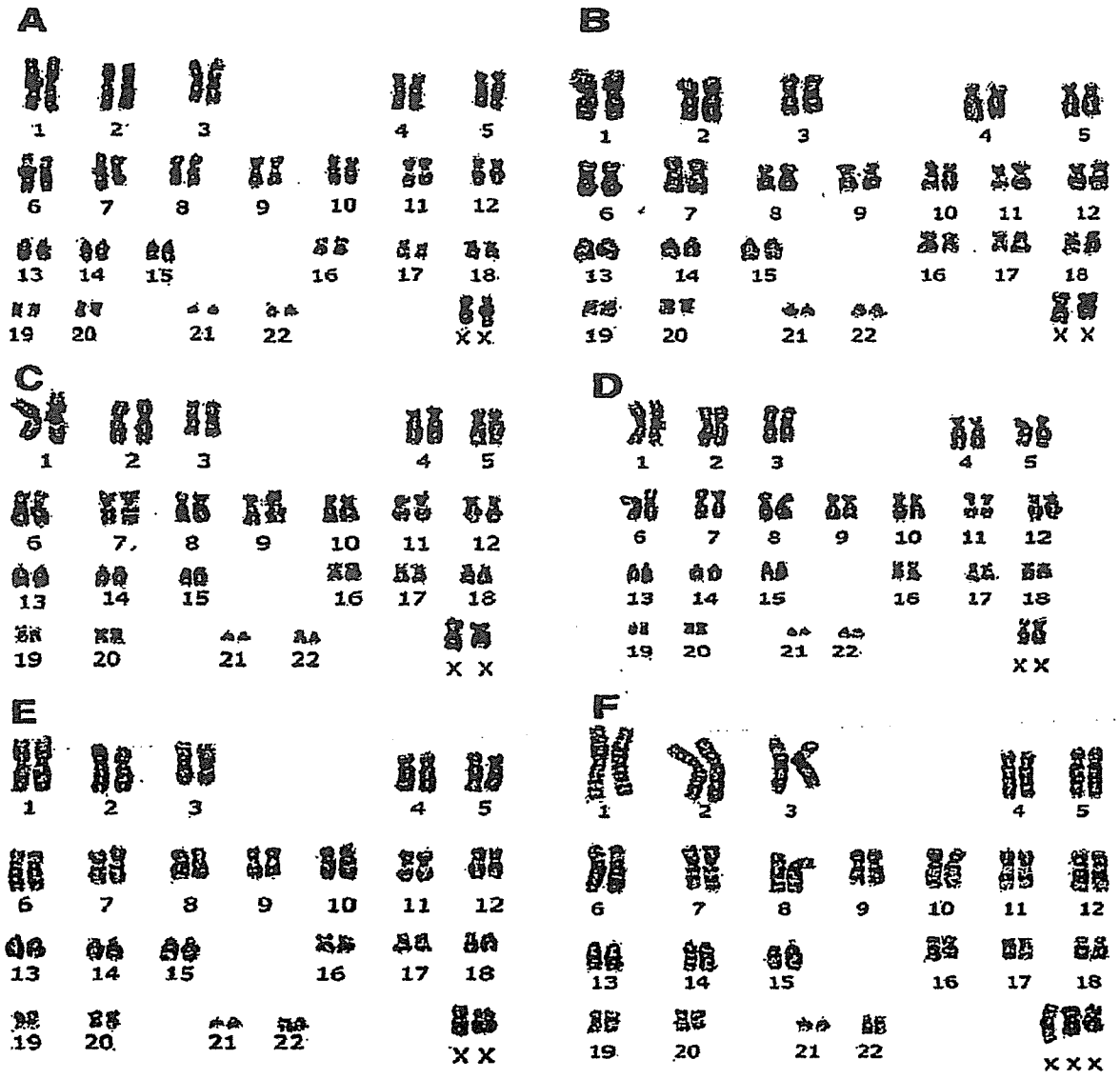

A
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 X X
B
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 X X
C
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 X X
D
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 X X
E
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 X X
F
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 X X X

FIG. 7