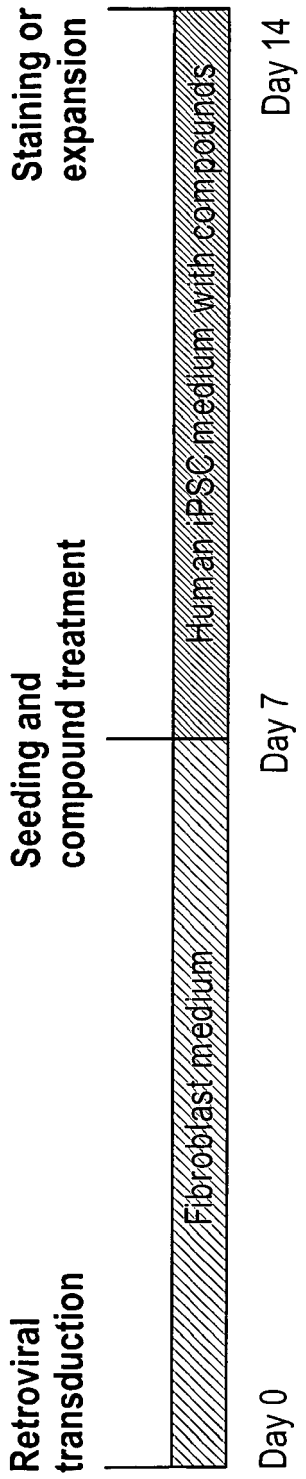


FIG. 1A

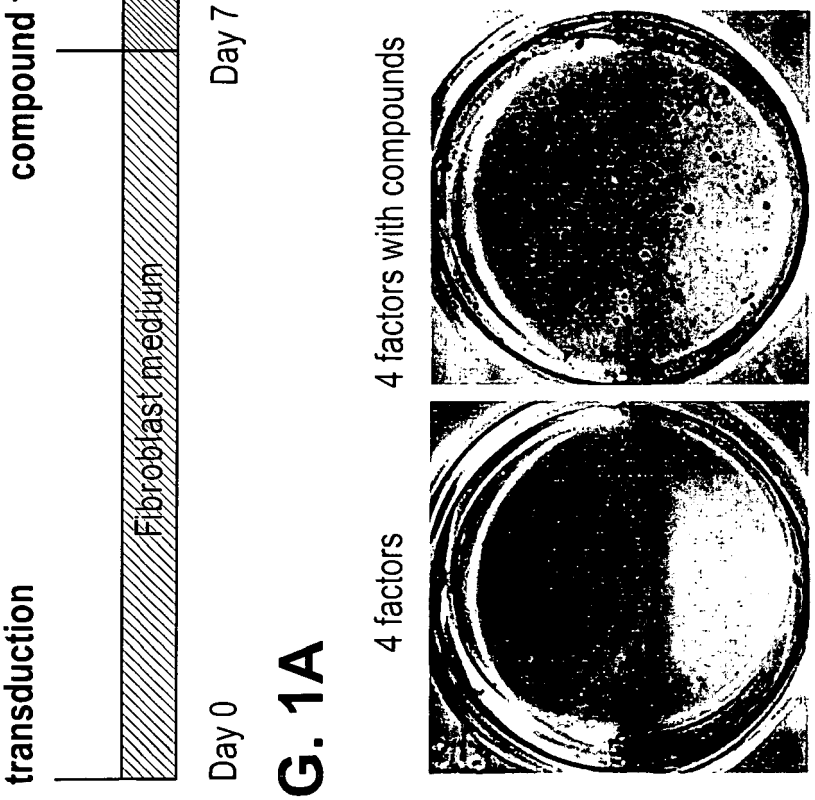


FIG. 1B

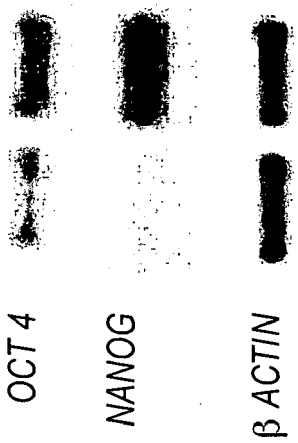


FIG. 1C

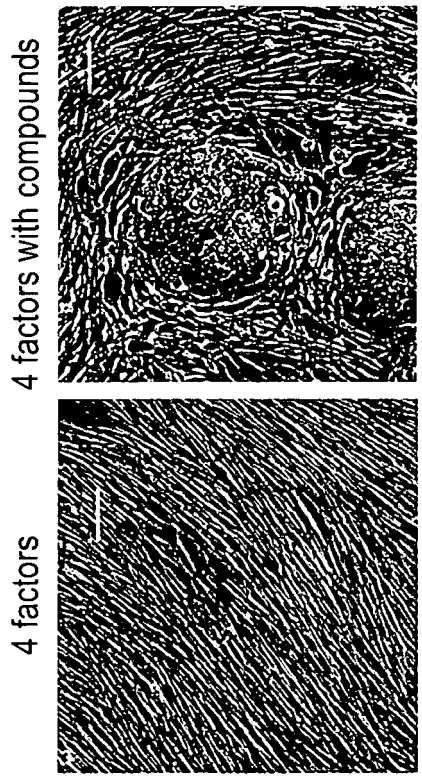


FIG. 1D

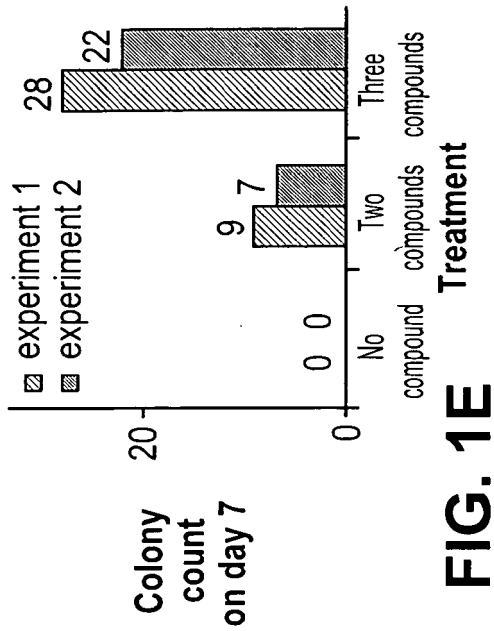


FIG. 1E

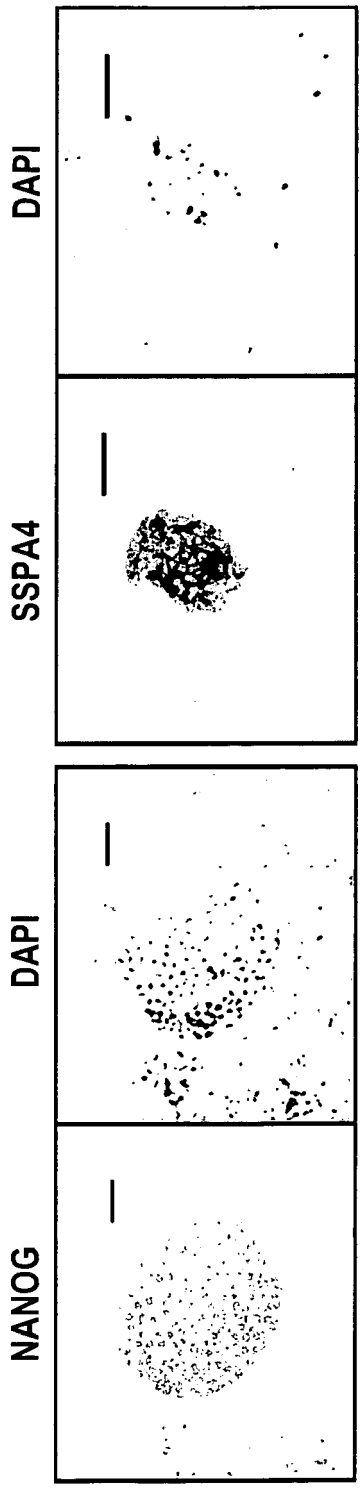


FIG. 1F

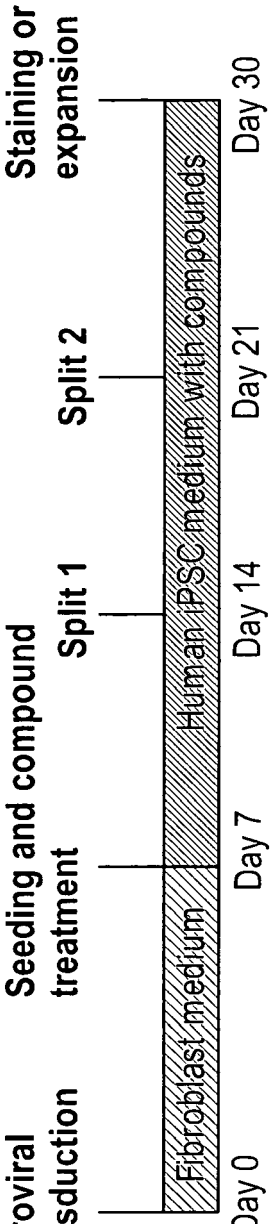


FIG. 2A

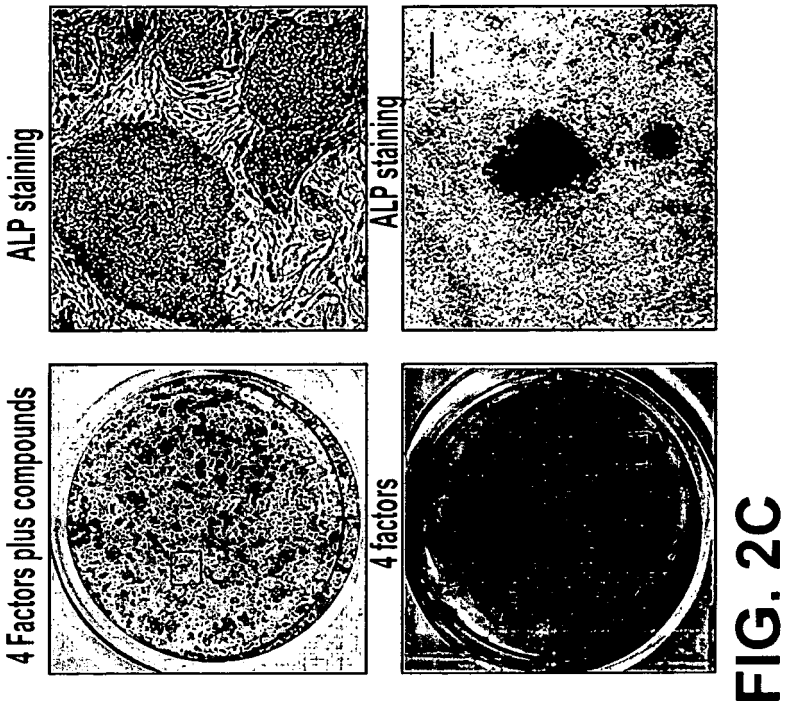


FIG. 2C

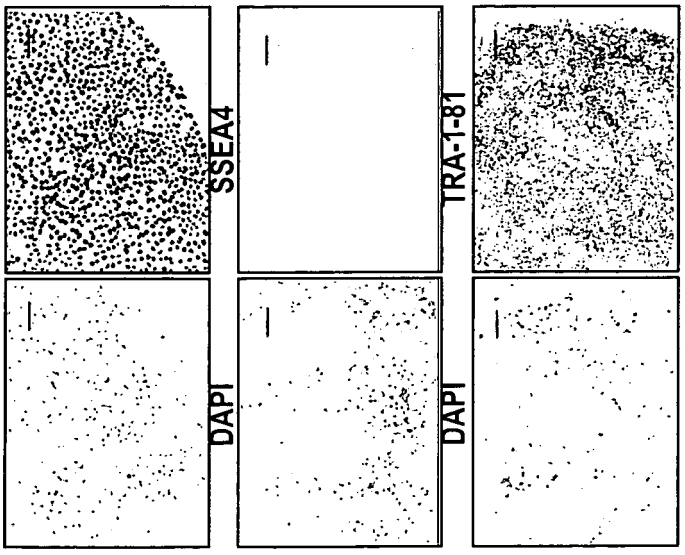


FIG. 2B

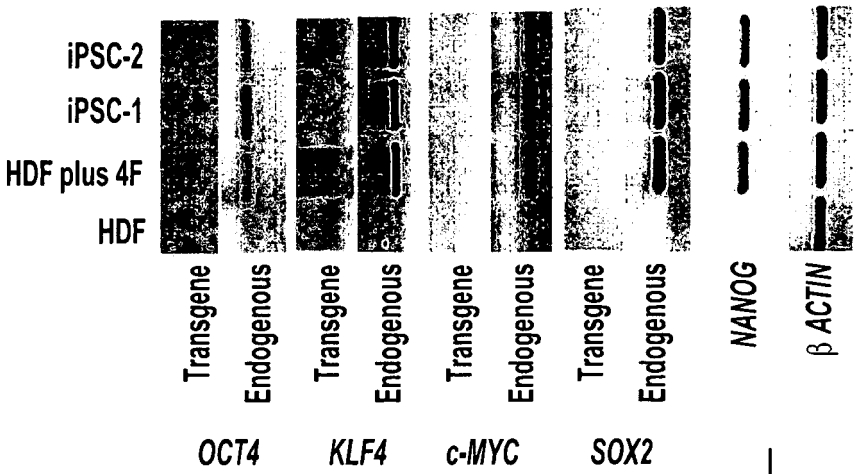


FIG. 2F

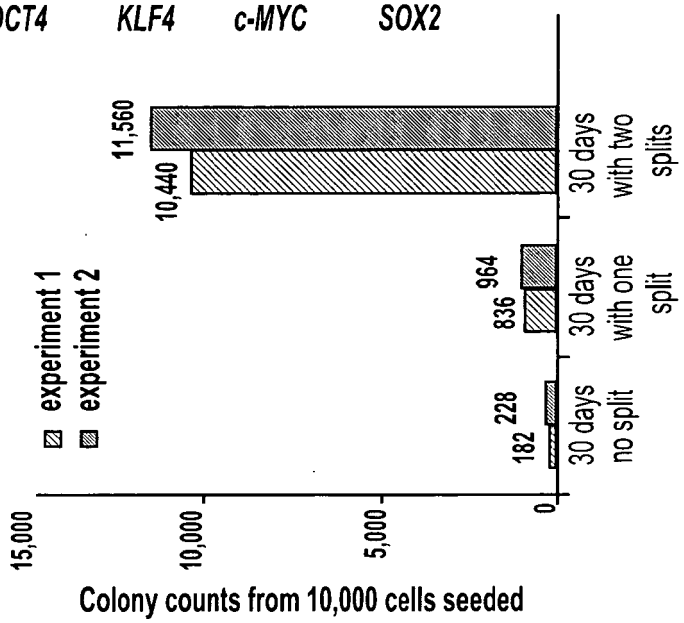


FIG. 2E

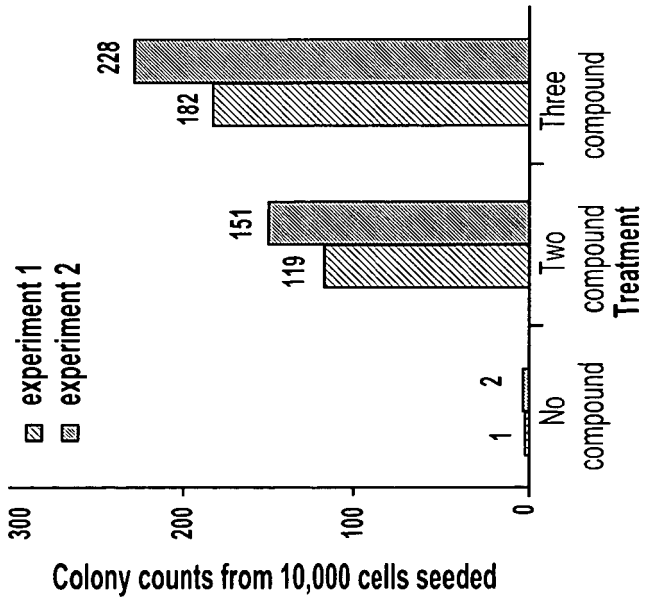


FIG. 2D

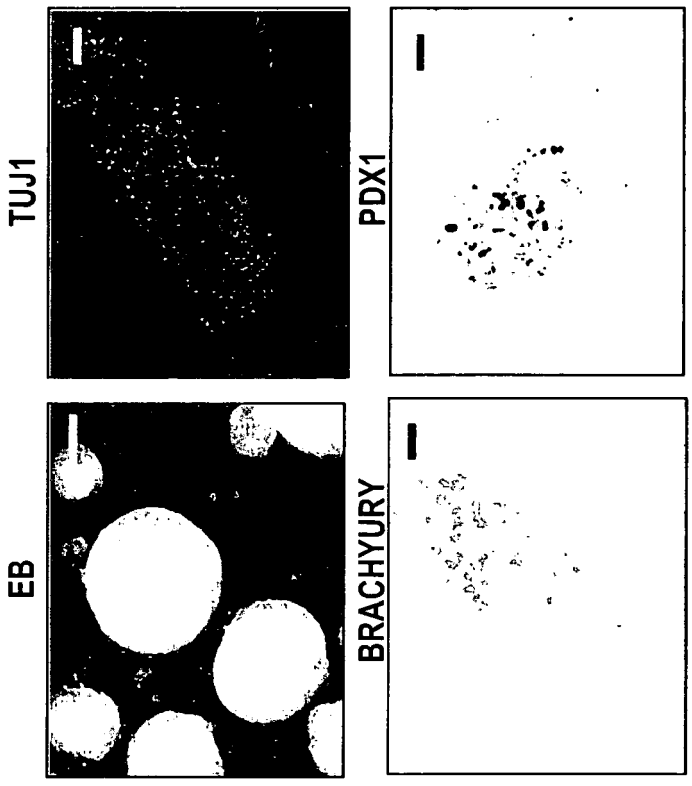


FIG. 3A

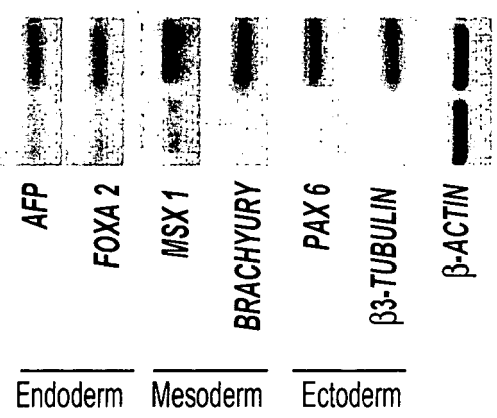


FIG. 3B

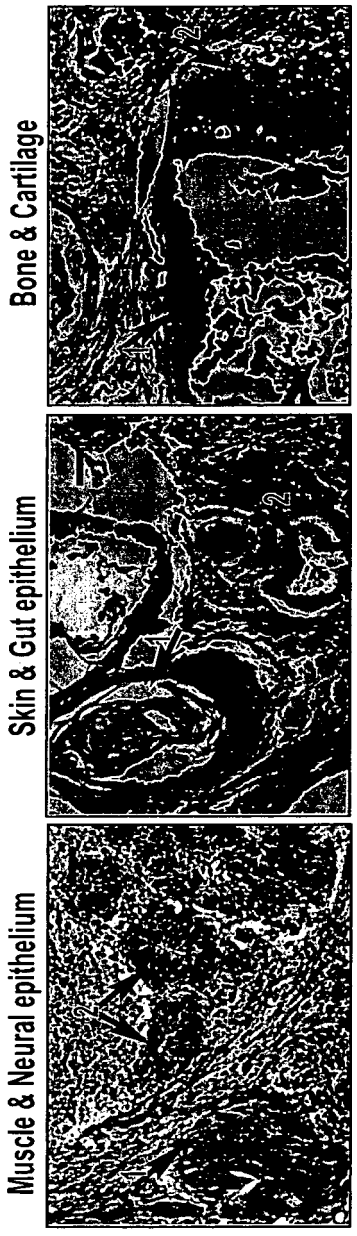


FIG. 3C

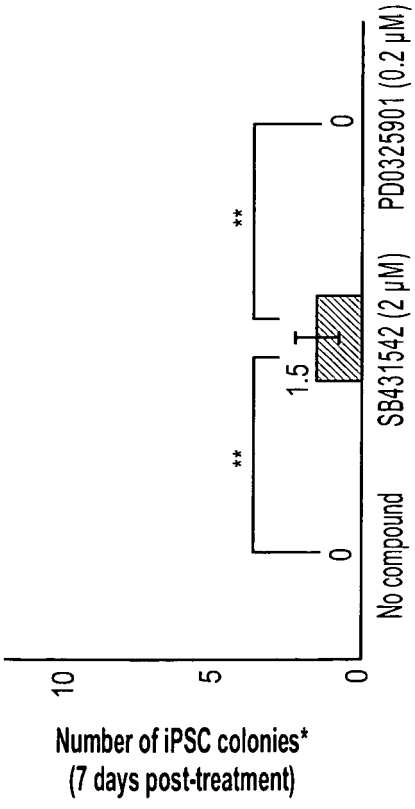


FIG. 4A

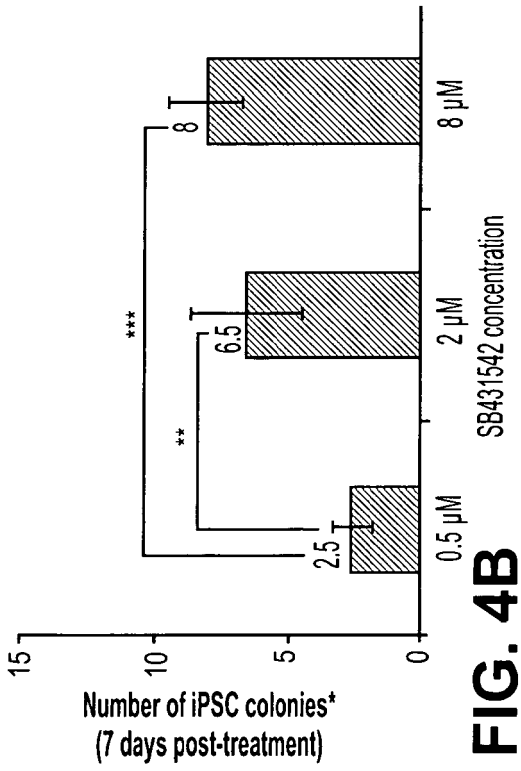


FIG. 4B

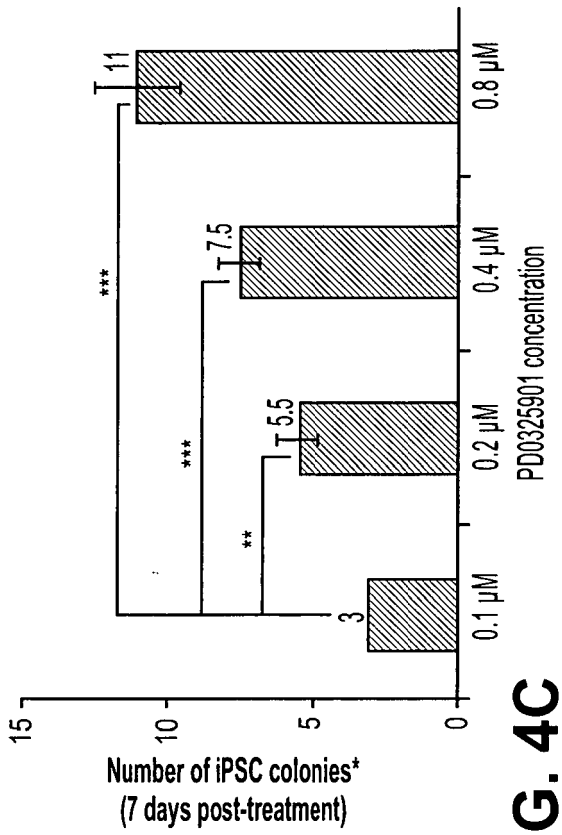


FIG. 4C

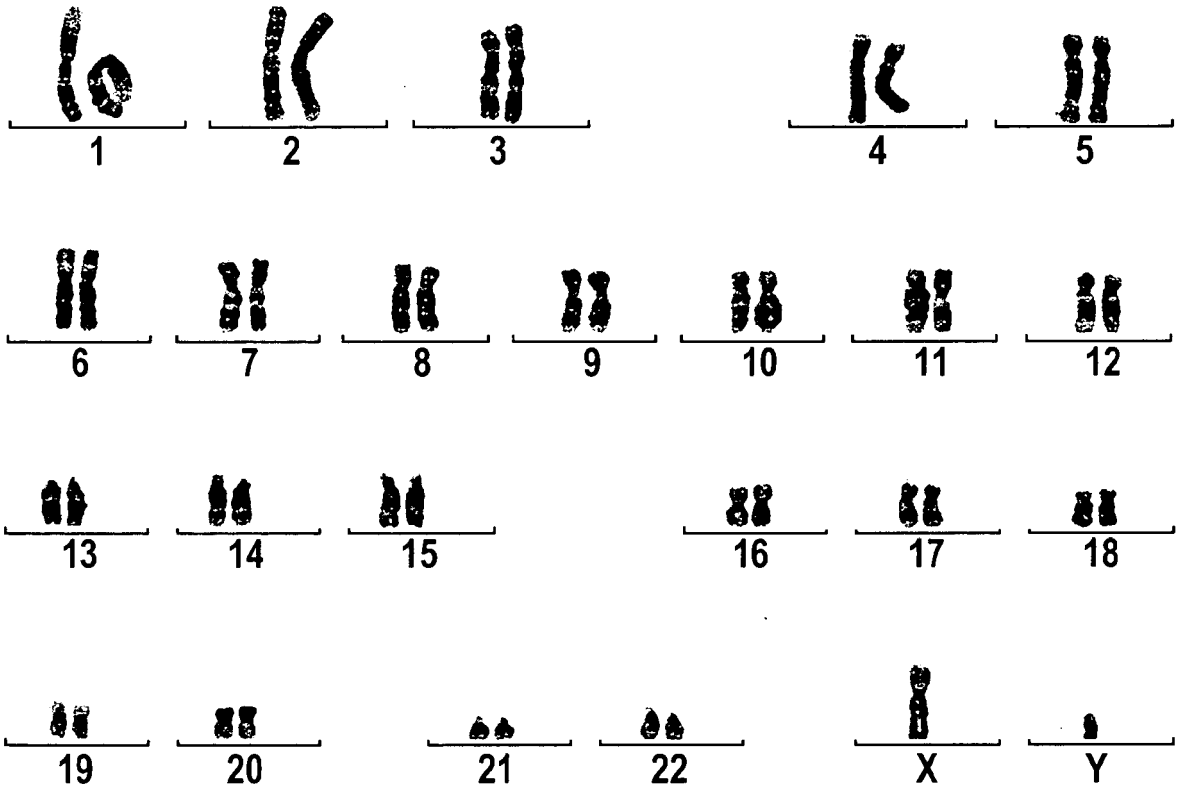


FIG. 5

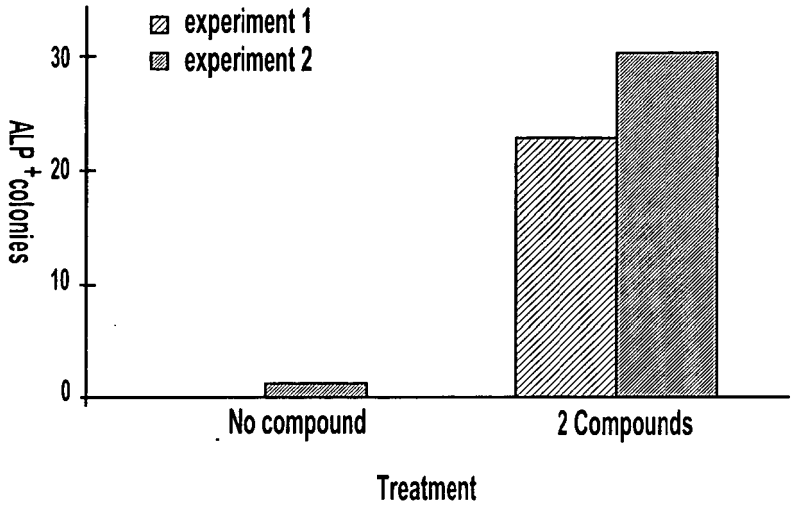

experiment 1
experiment 2
30
20
10
0
ALP + colonies
No compound
2 Compounds
Treatment

FIG. 6A

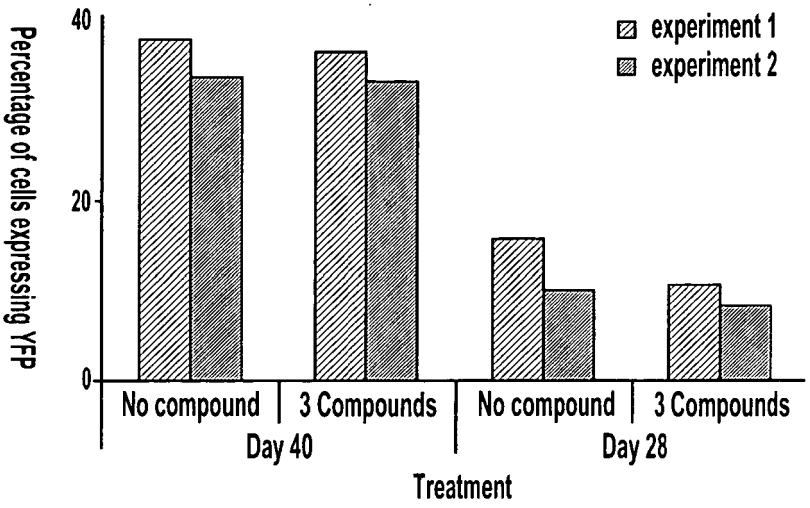

40
20
0
Percentage of cells expressing YFP
experiment 1
experiment 2
No compound
3 Compounds
No compound
3 Compounds
Day 40
Day 28
Treatment

FIG. 6B

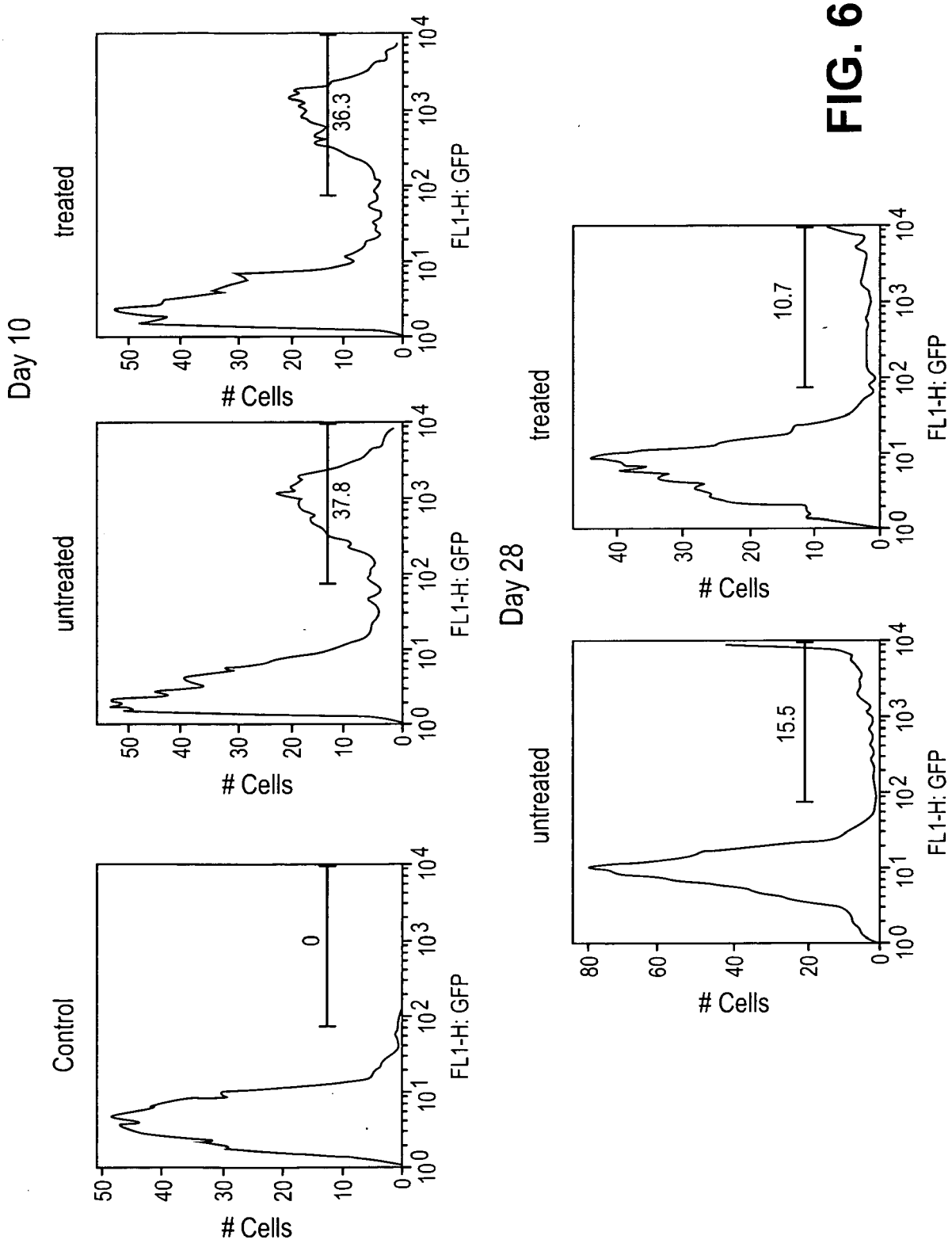

Day 10
Day 28
Control
untreated
treated
untreated
treated
0
37.8
36.3
15.5
10.7
Cells
FL1-H: GFP

FIG. 6C

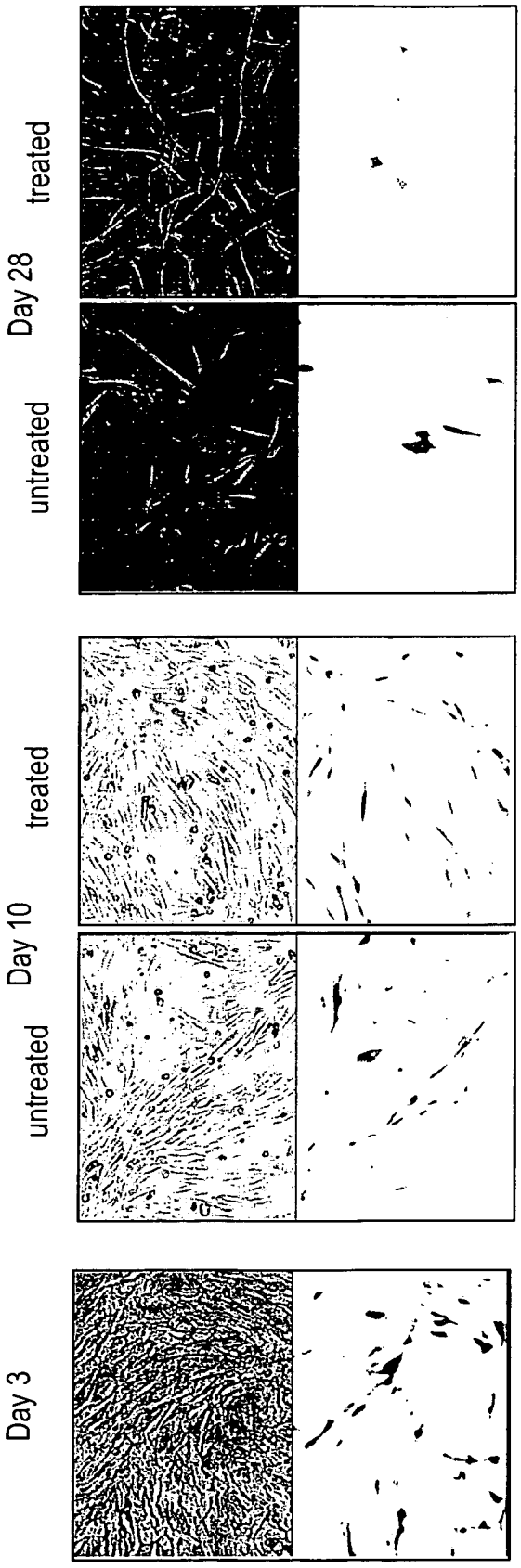


FIG. 6F

FIG. 6E

FIG. 6D

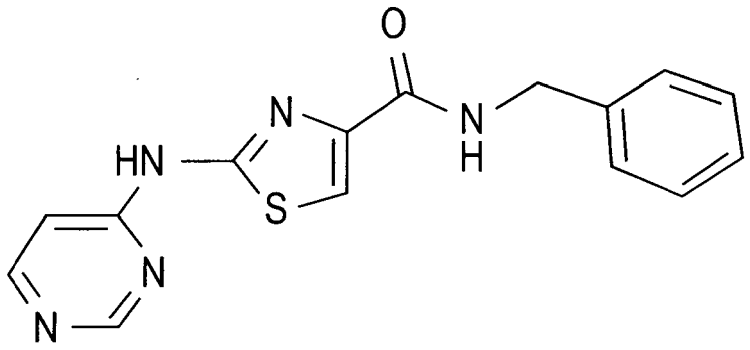


FIG. 7

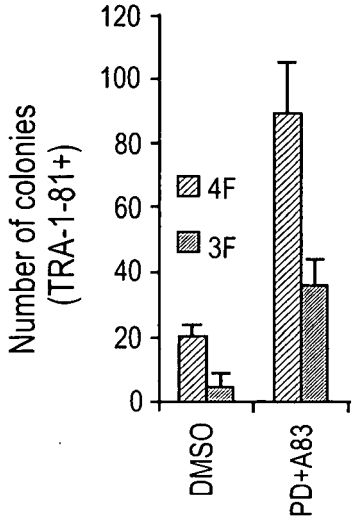


FIG. 8A

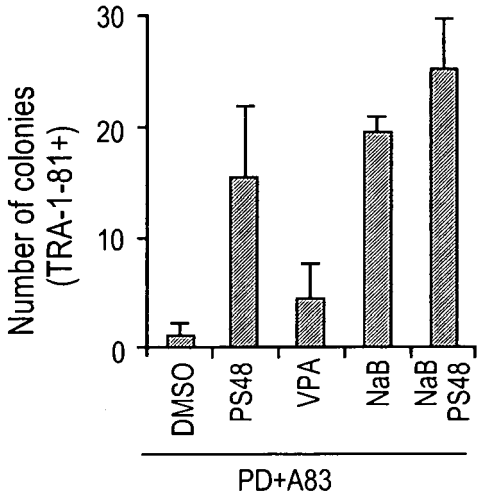


FIG. 8B

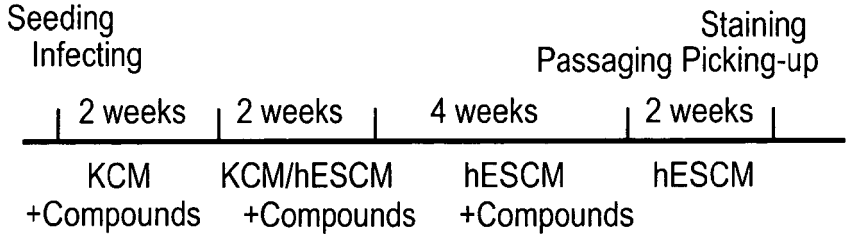


FIG. 8C

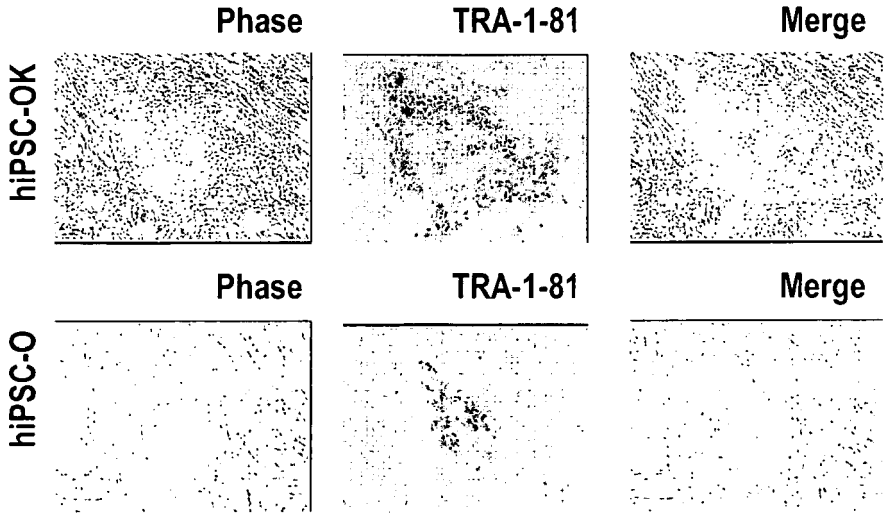


FIG. 8D

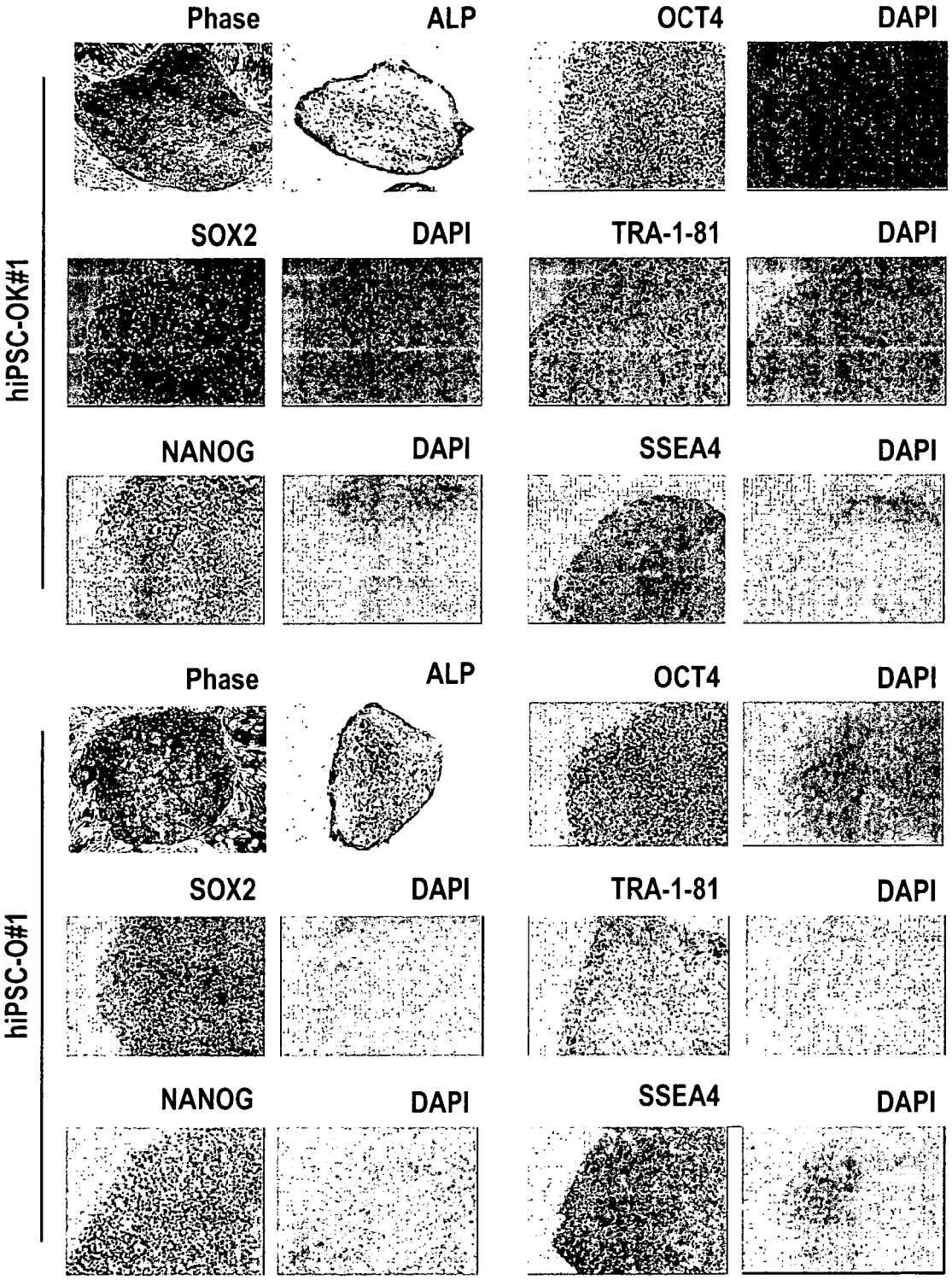

Phase
ALP
OCT4
DAPI
SOX2
DAPI
TRA-1-81
DAPI
NANOG
DAPI
SSEA4
DAPI
hiPSC-OK#1
Phase
ALP
OCT4
DAPI
SOX2
DAPI
TRA-1-81
DAPI
NANOG
DAPI
SSEA4
DAPI
hiPSC-O#1

FIG. 8E

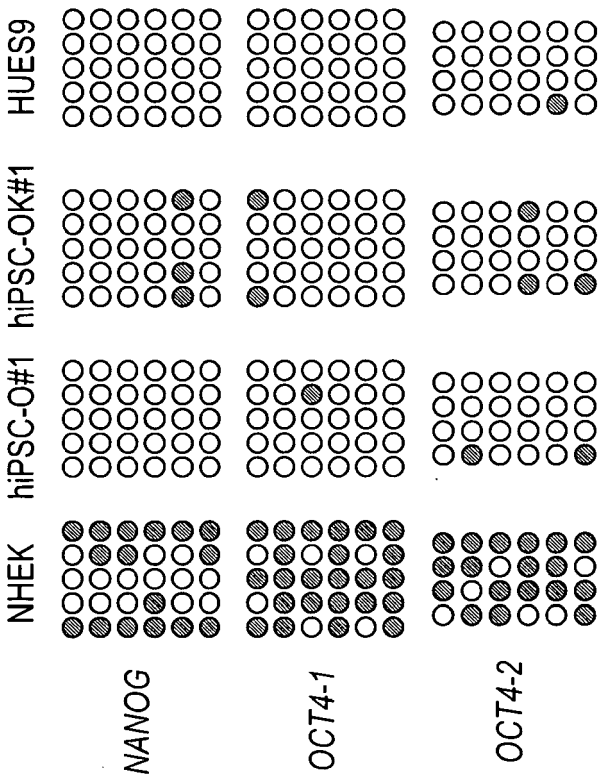

HUES9
hiPSC-OK#1
hiPSC-O#1
NHEK
NANOG
OCT4-1
OCT4-2

FIG. 9B

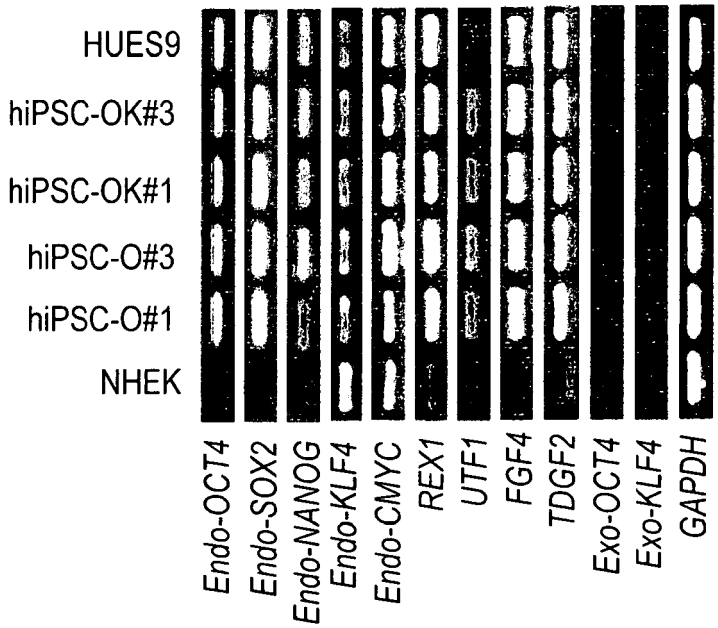

HUES9
hiPSC-OK#3
hiPSC-OK#1
hiPSC-O#3
hiPSC-O#1
NHEK
Endo-OCT4
Endo-SOX2
Endo-NANOG
Endo-KLF4
Endo-CMYC
REX1
UTF1
FGF4
TDGF2
Exo-OCT4
Exo-KLF4
GAPDH

FIG. 9A

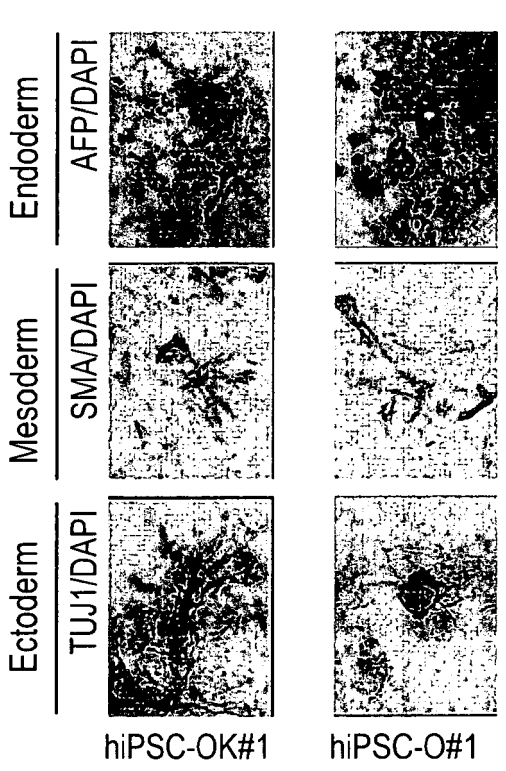


FIG. 9D

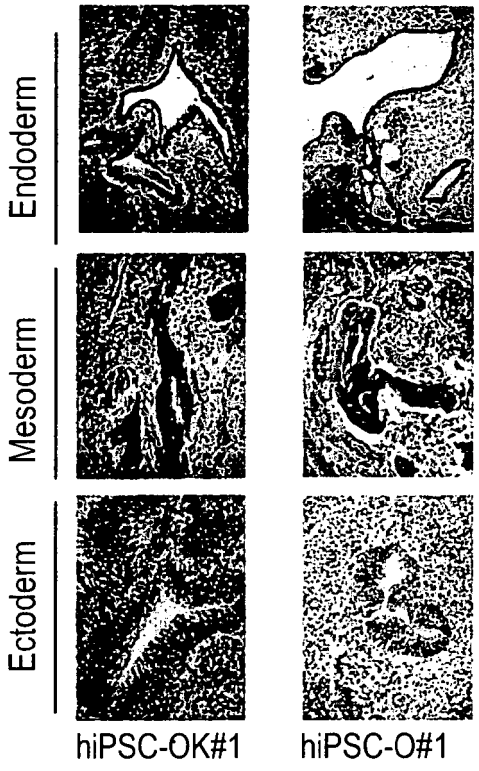


FIG. 9F

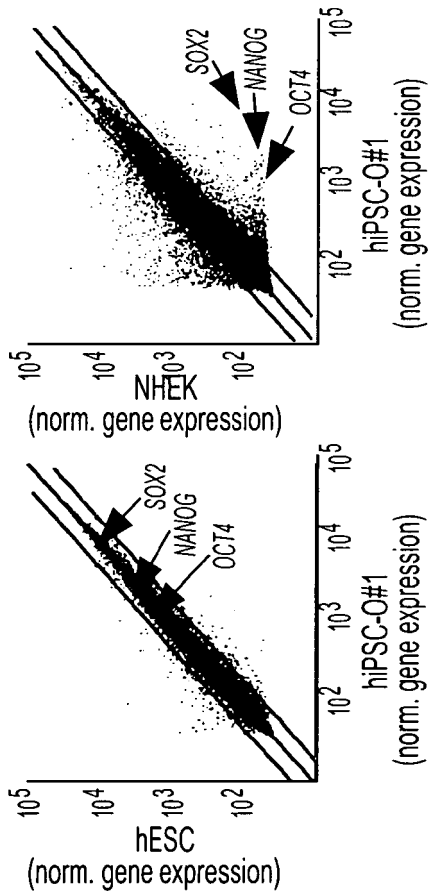


FIG. 9C

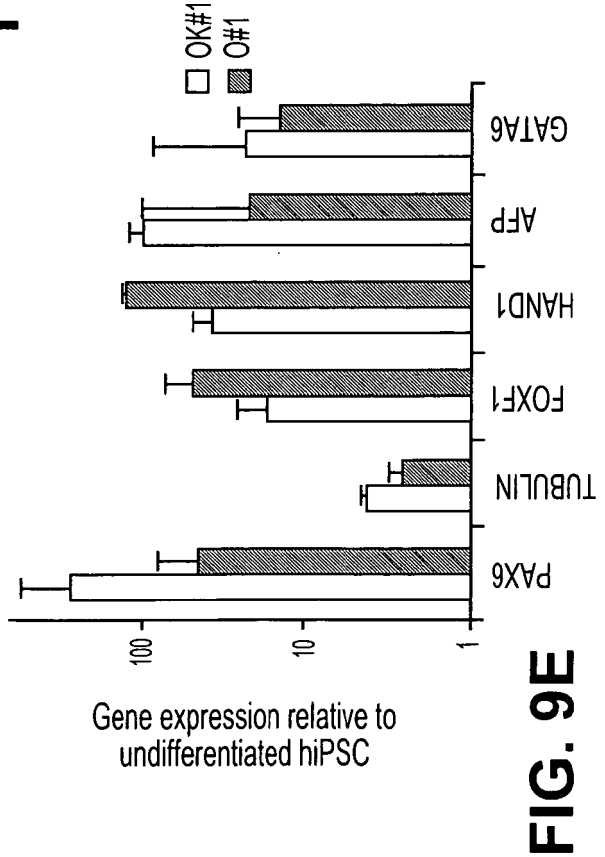


FIG. 9E

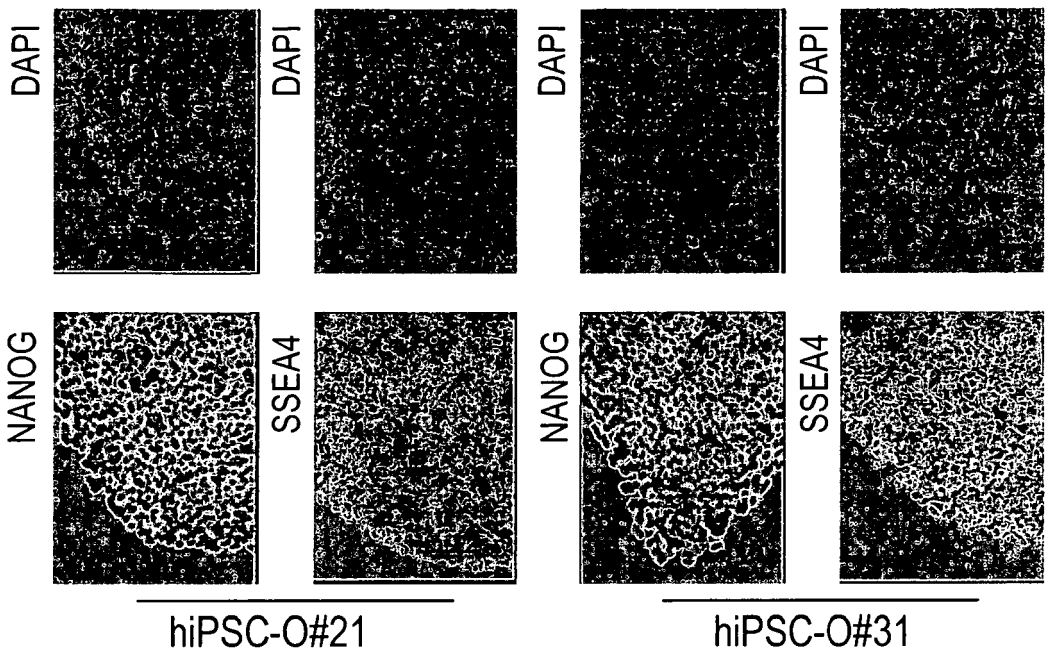


FIG. 10B

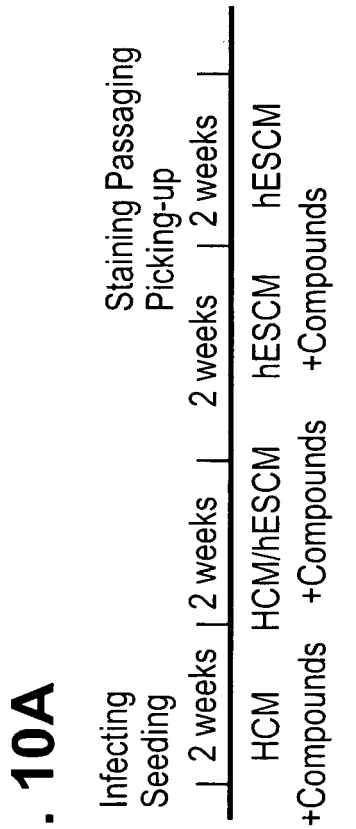


FIG. 10A

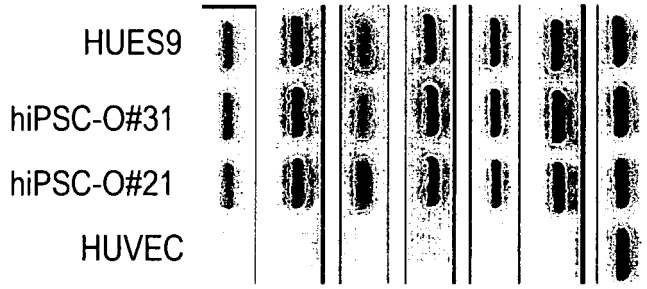


FIG. 10C

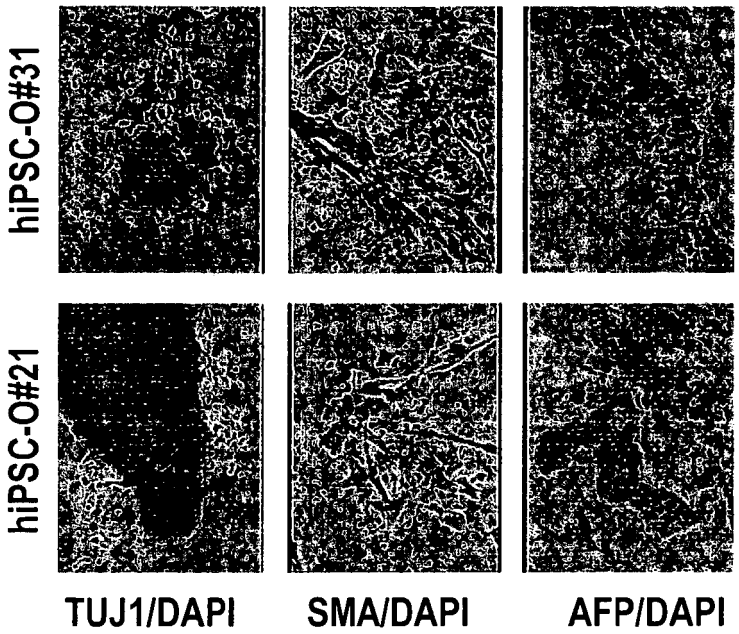


FIG. 10E

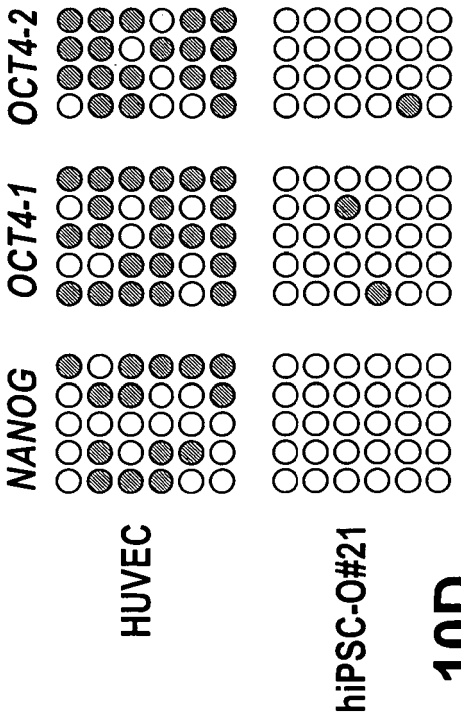


FIG. 10D

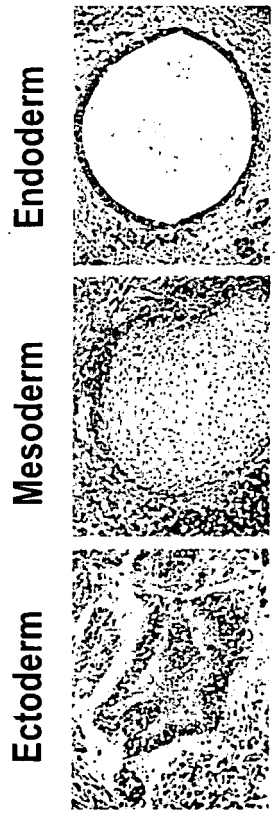


FIG. 10F

FIG. 11A

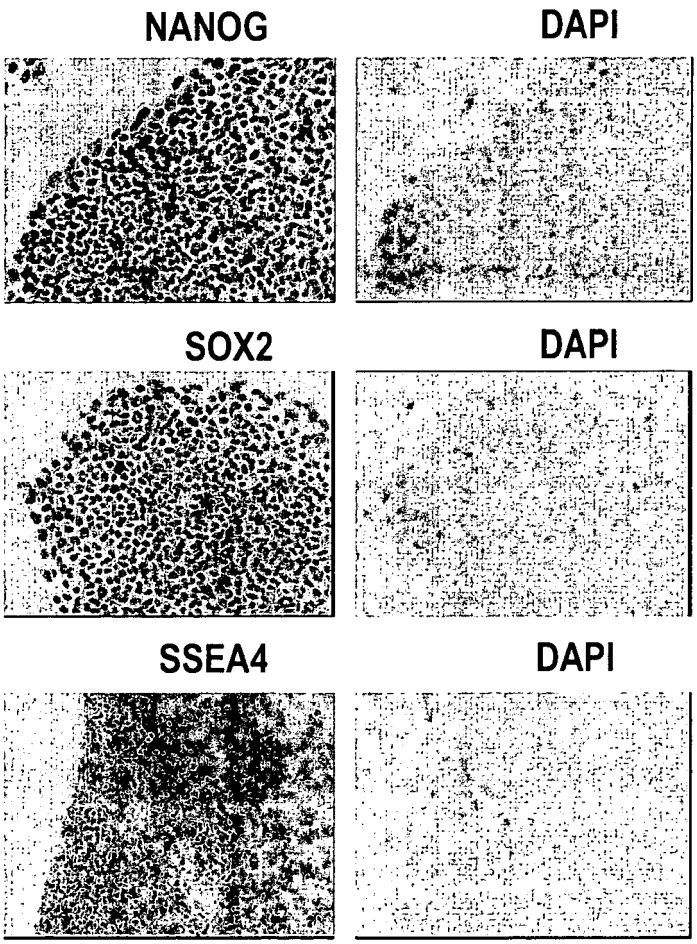


FIG. 11B

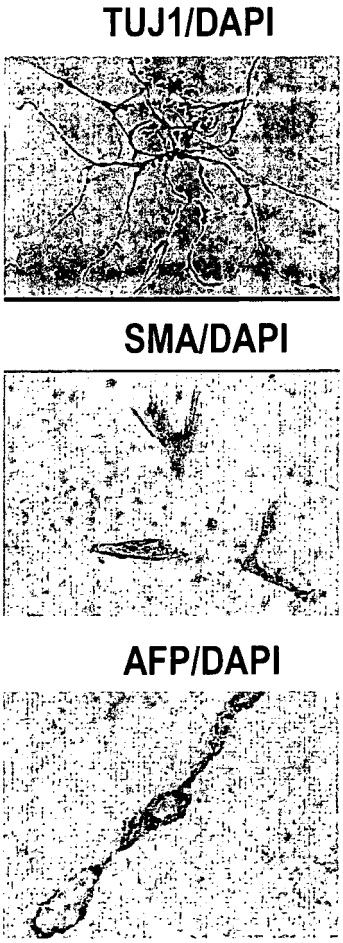


FIG. 12A

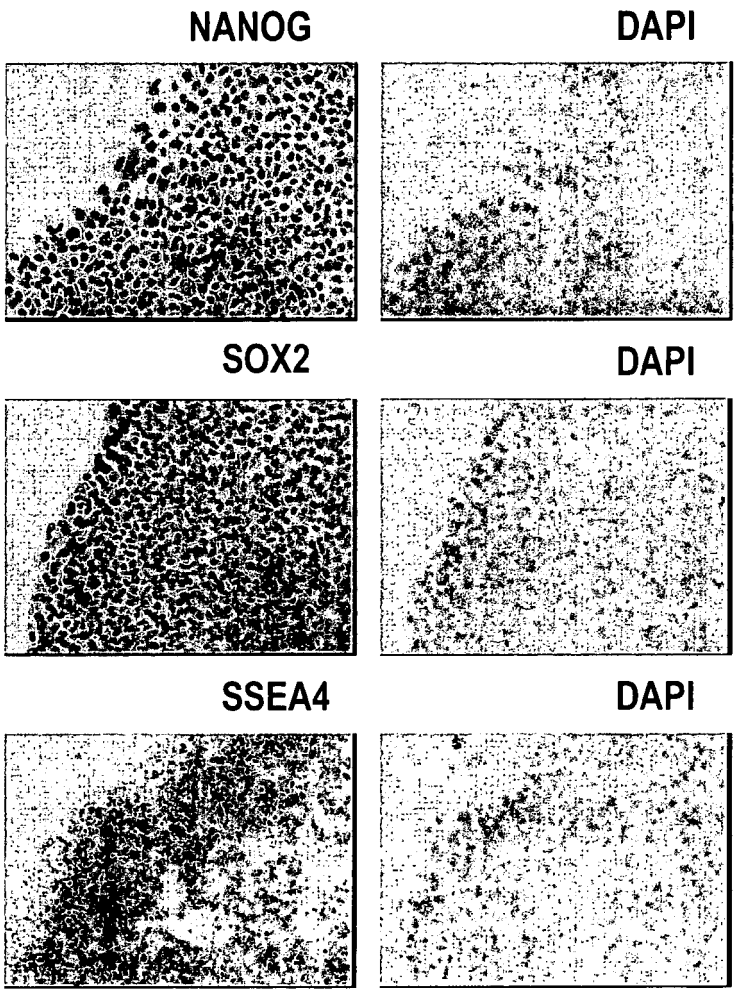
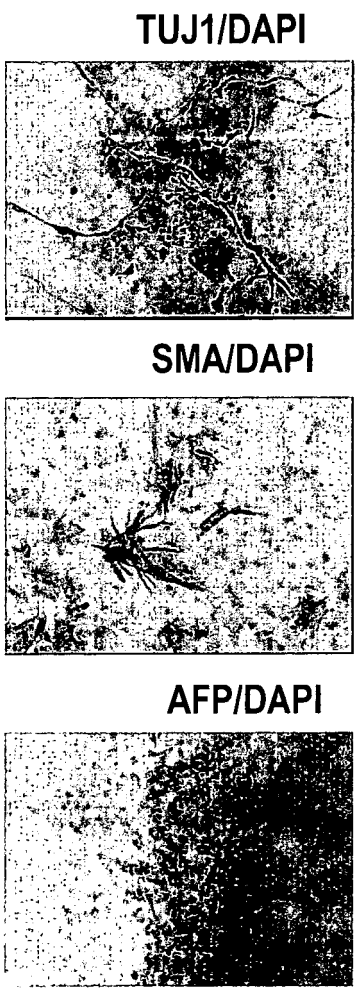


FIG. 12B



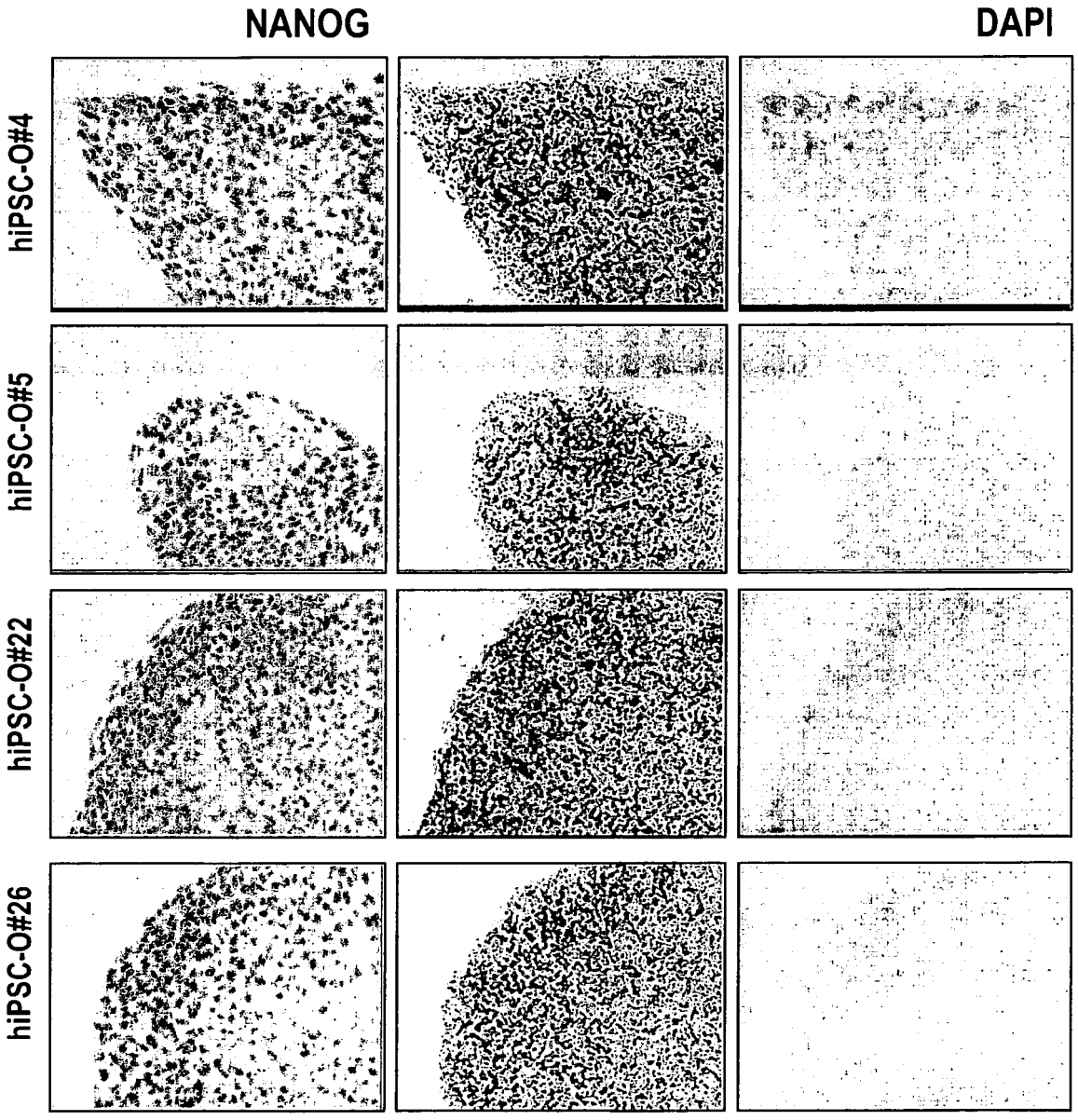


FIG. 13

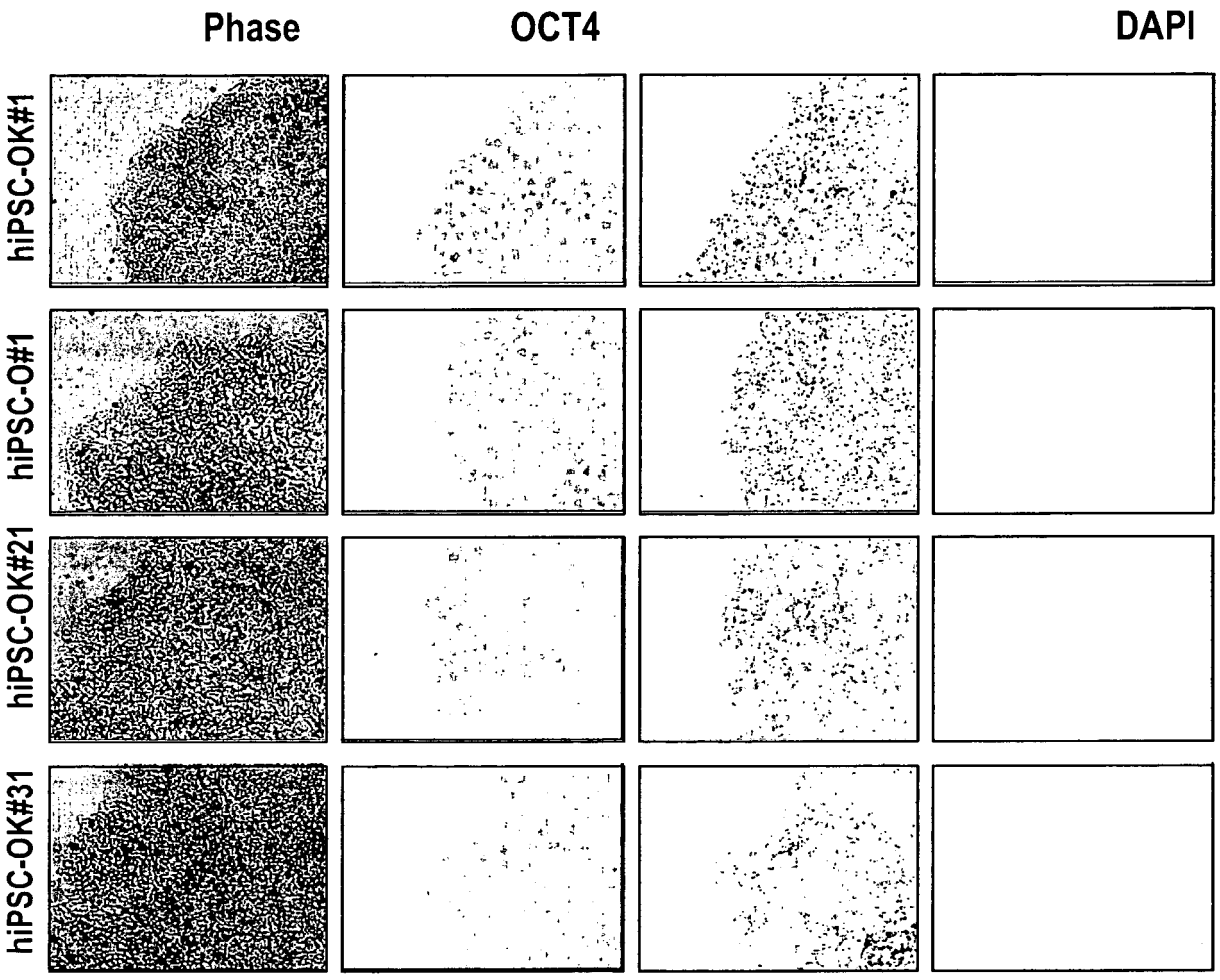


FIG. 14

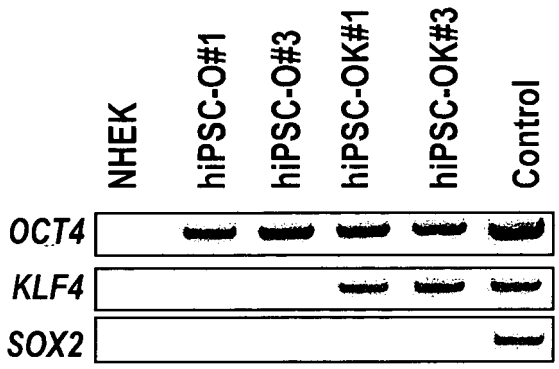


FIG. 15A

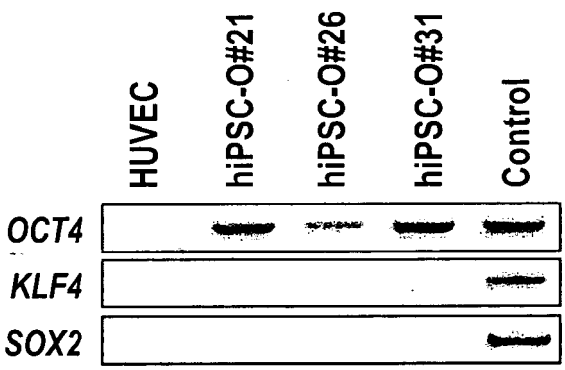


FIG. 15B

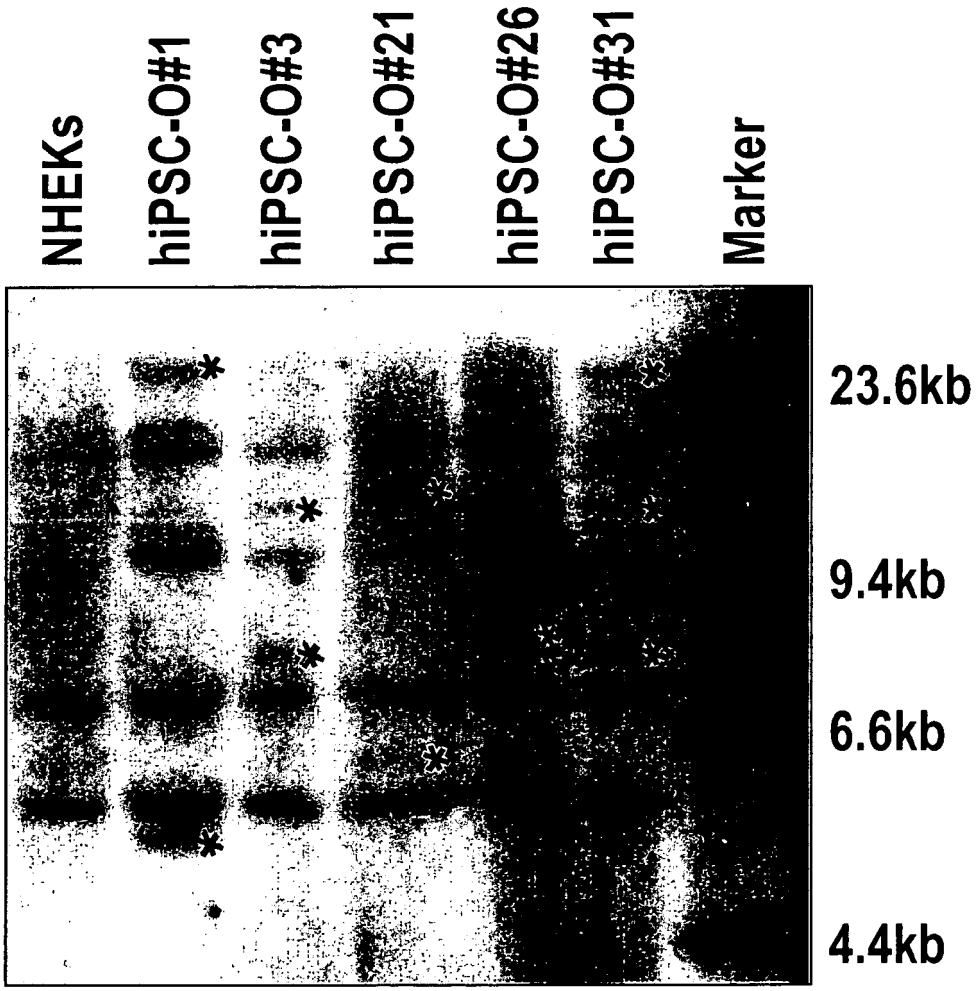

NHEKs
hiPSC-O#1
hiPSC-O#3
hiPSC-O#21
hiPSC-O#26
hiPSC-O#31
Marker
23.6kb
9.4kb
6.6kb
4.4kb

FIG. 16

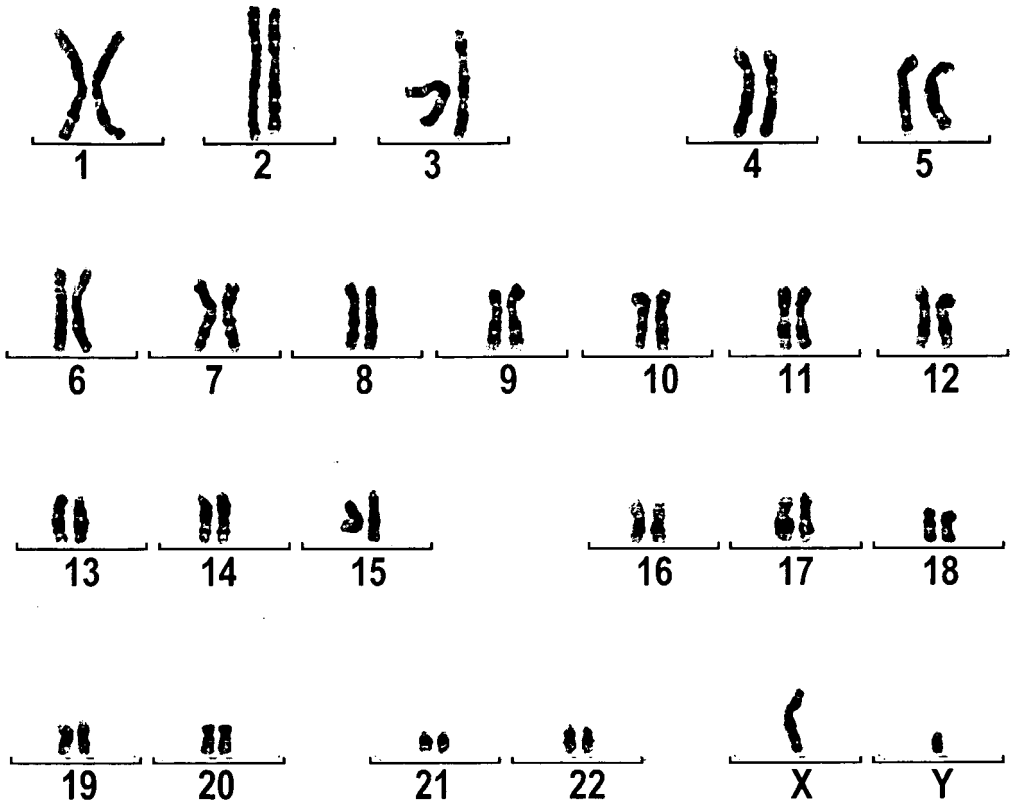


FIG. 17A

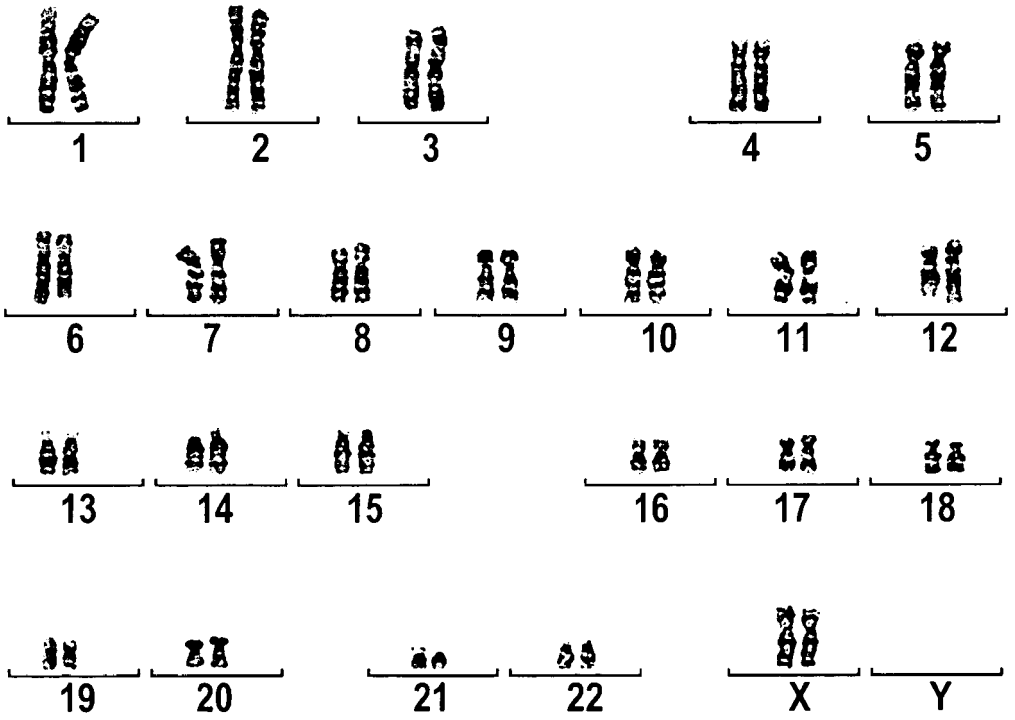


FIG. 17B