

FIG. 1A

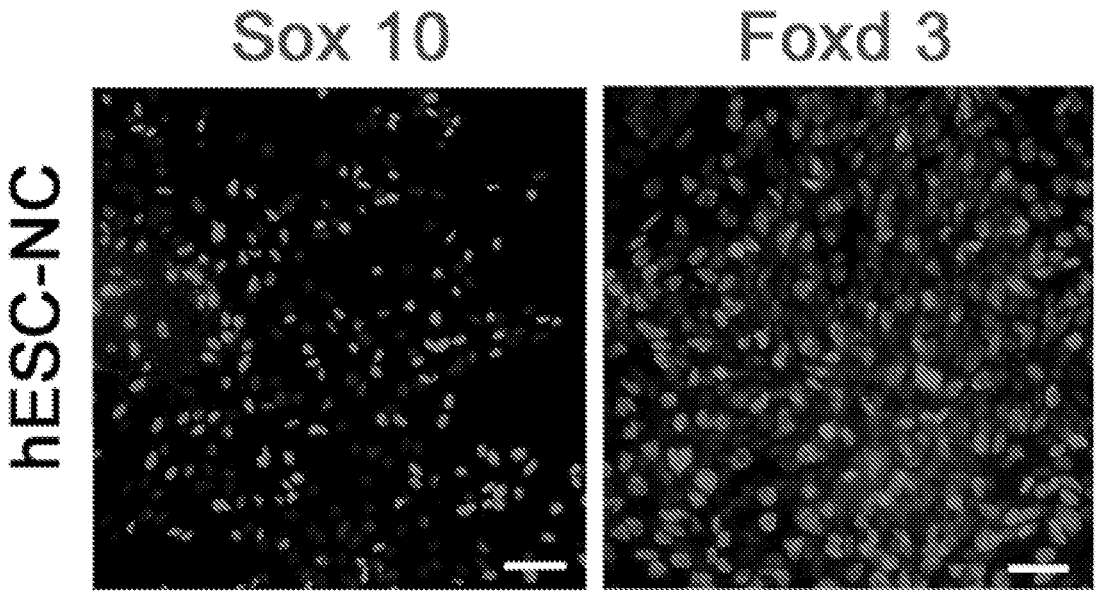


FIG. 1B

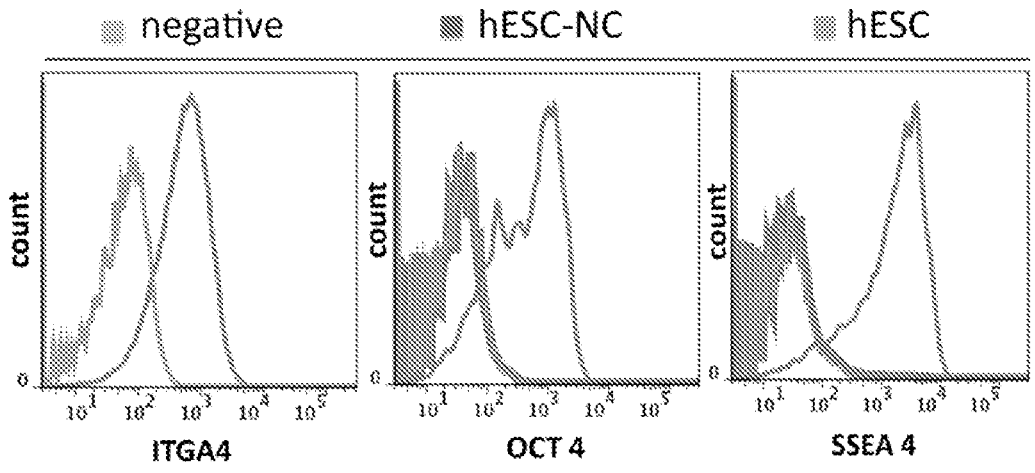


FIG. 1C

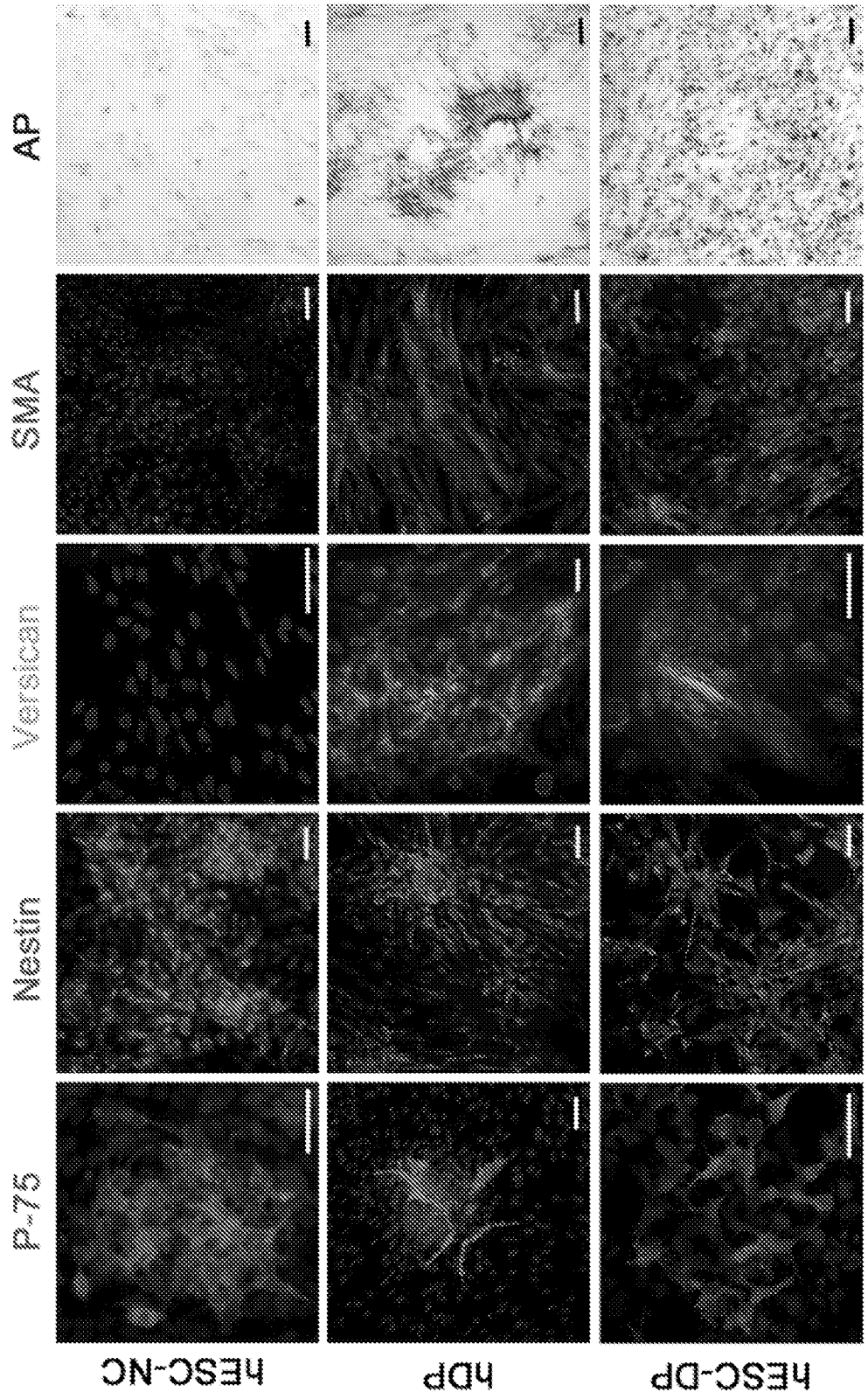


FIG. 1D

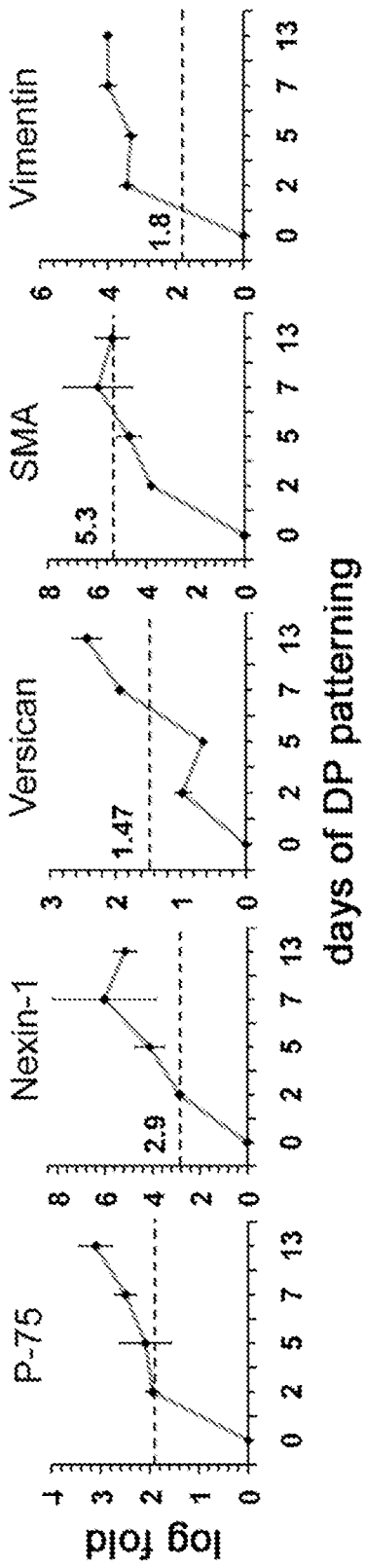

log fold
P-75
Nexin-1
Versican
SMA
Vimentin
2.9
1.47
5.3
1.8
0 2 5 7 13
days of DP patterning

FIG. 1E

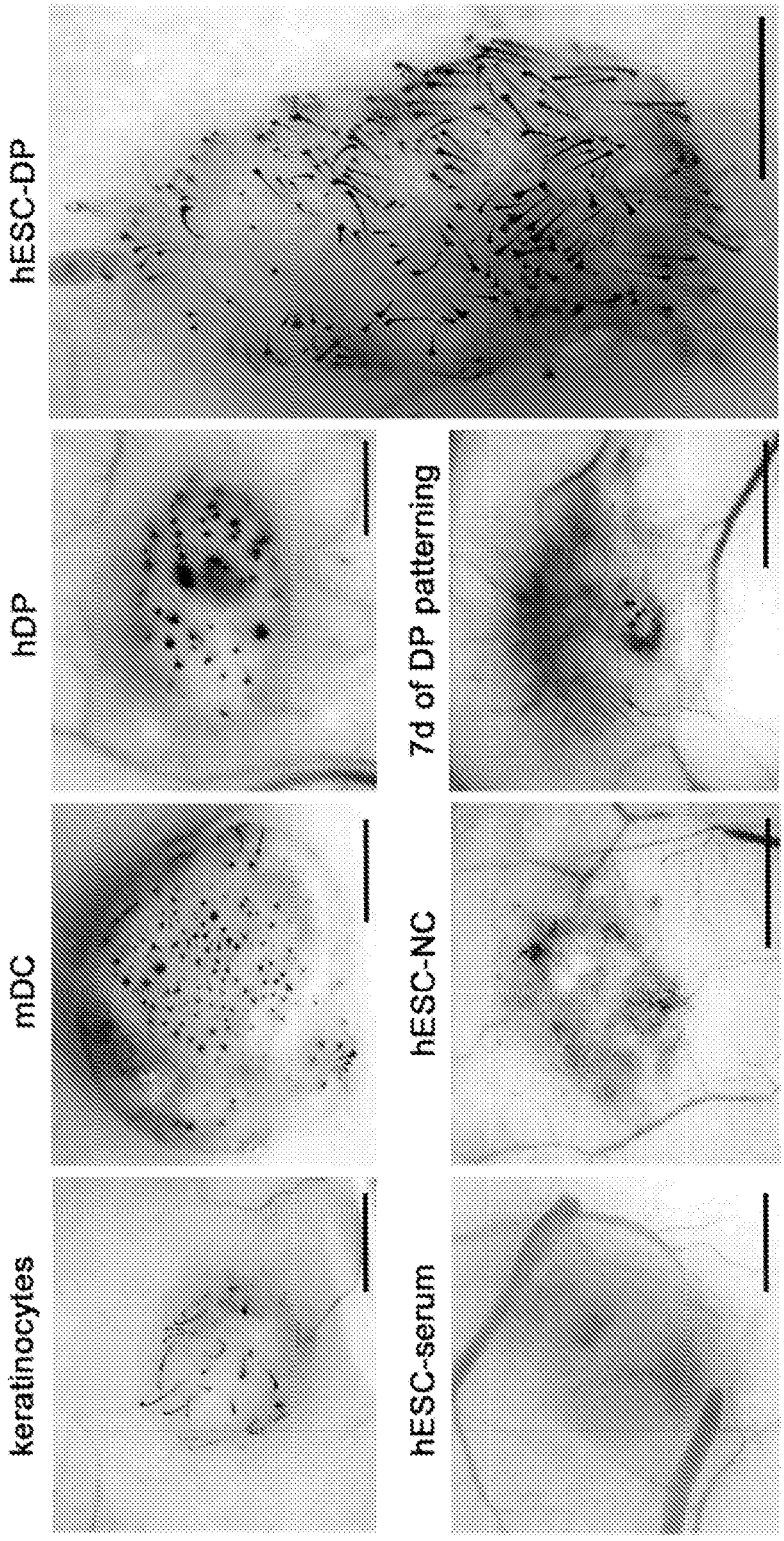

keratinocytes
mDC
hDP
hESC-DP
hESC-serum
hESC-NC
7d of DP patterning

FIG. 2A

FIG. 2B

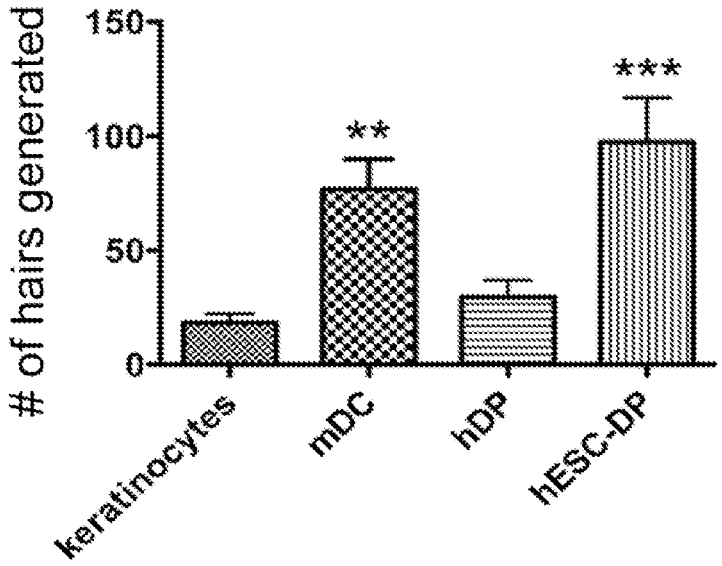

# of hairs generated
150
100
50
0
**
***
keratinocytes
mDC
hDP
hESC-DP

FIG. 2C

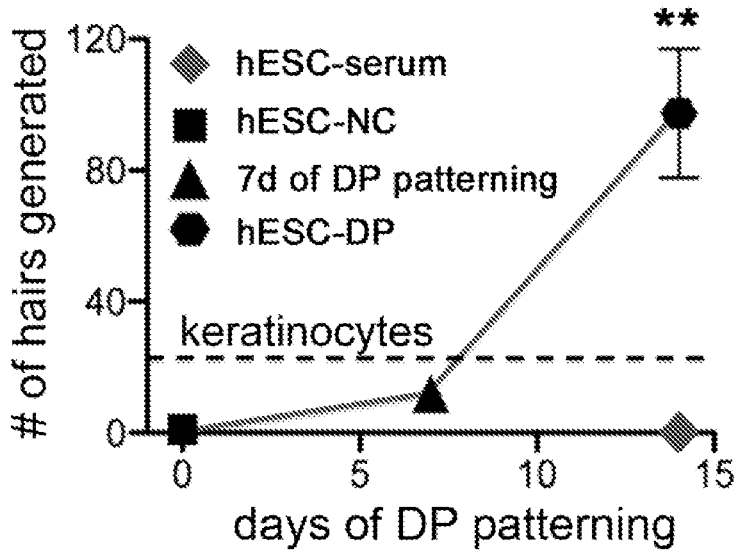

# of hairs generated
120
80
40
0
hESC-serum
hESC-NC
7d of DP patterning
hESC-DP
keratinocytes
**
0
5
10
15
days of DP patterning

FIG. 3A

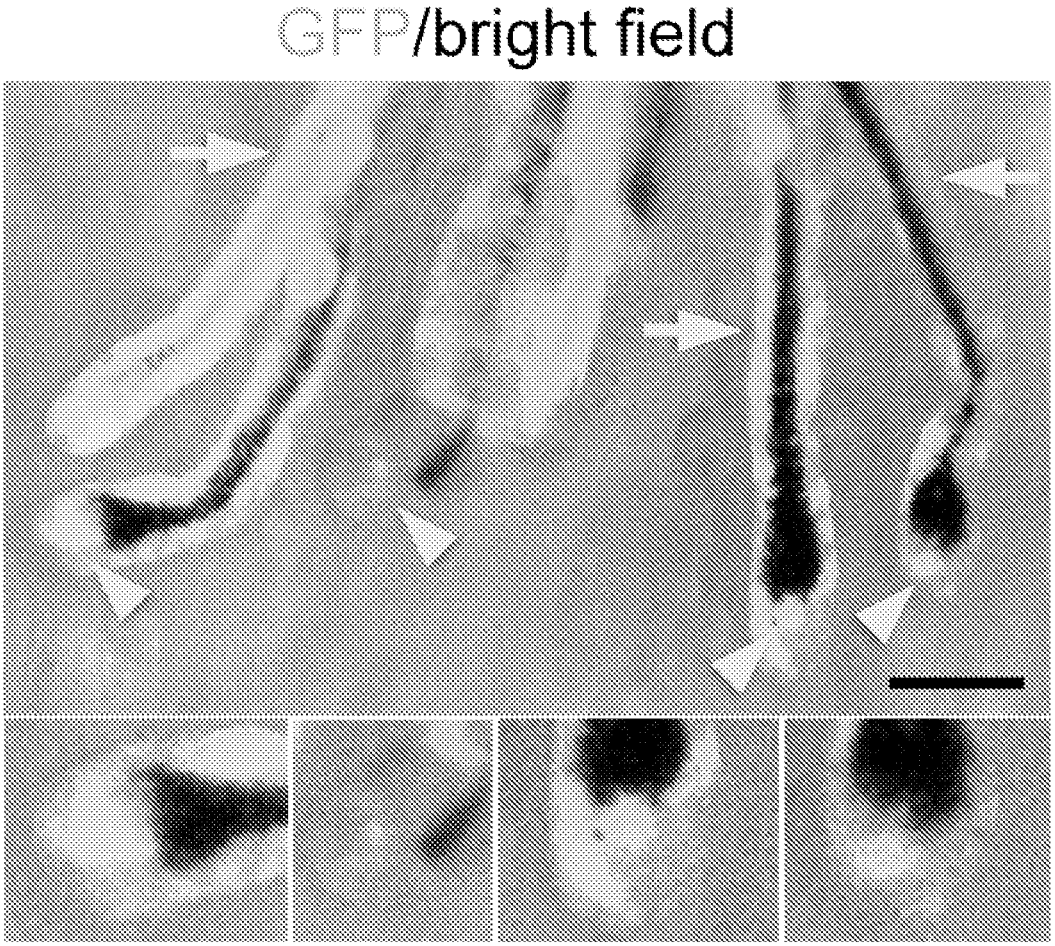
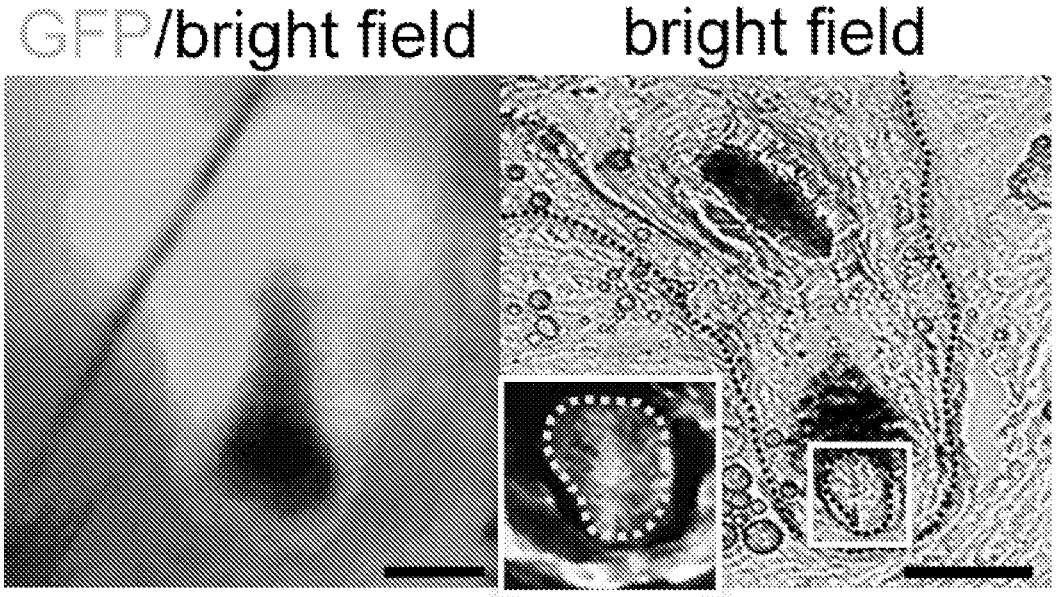


FIG. 3B



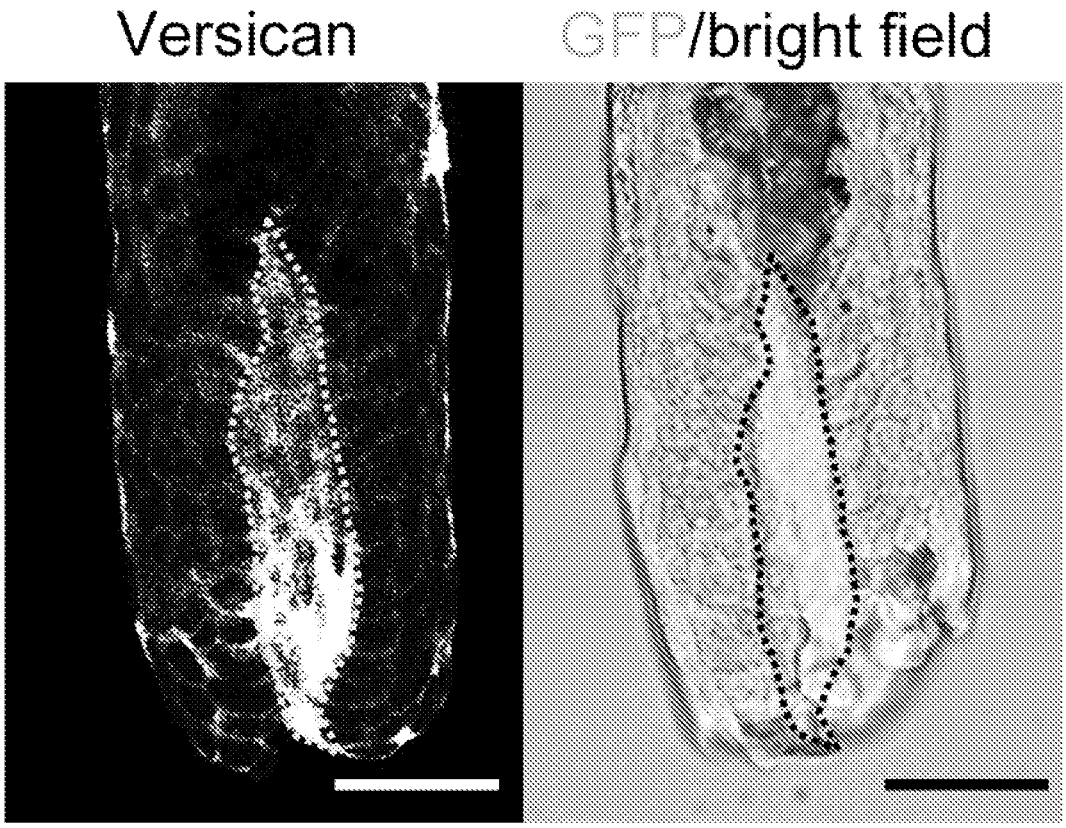


FIG. 3C

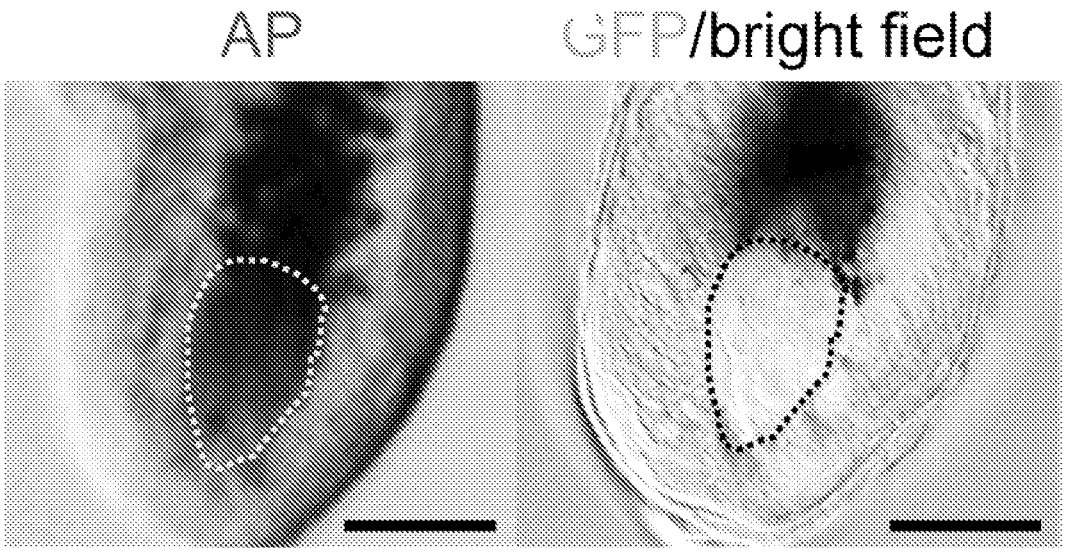


FIG. 3D

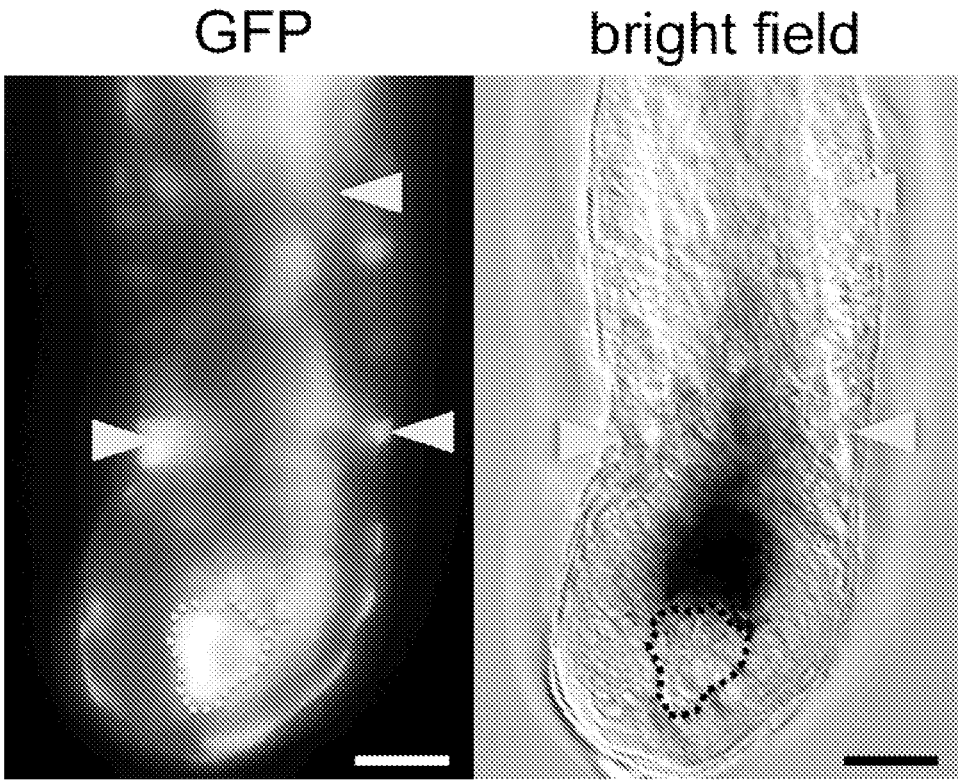


FIG. 3E

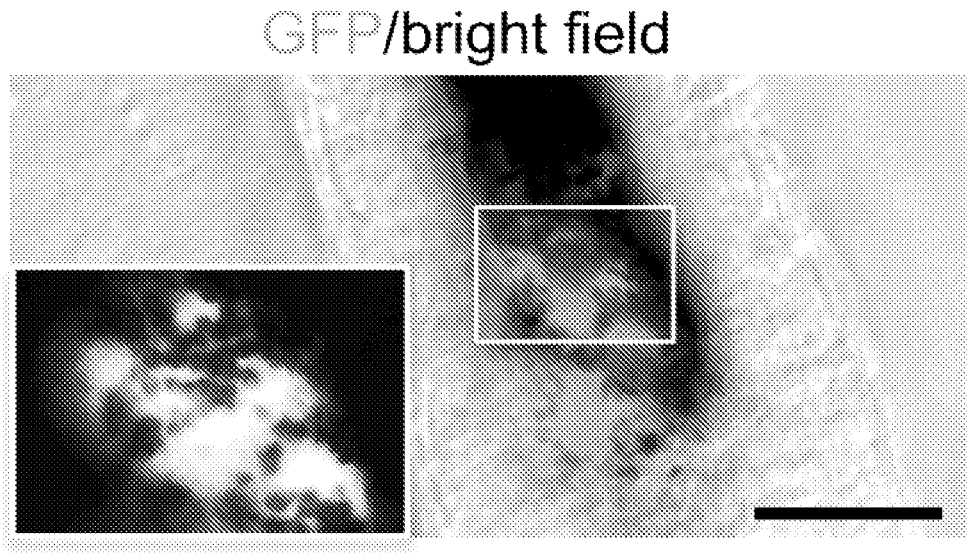


FIG. 3F

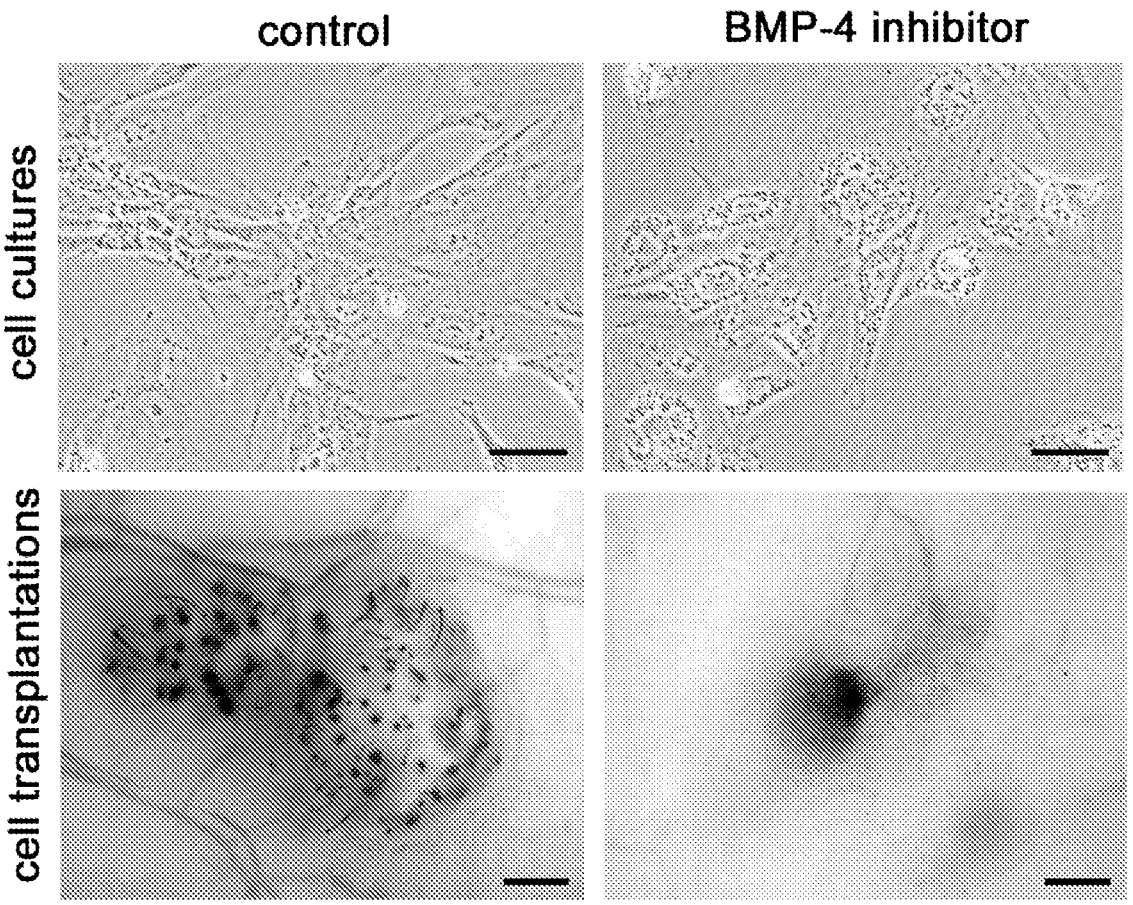

control
BMP-4 inhibitor
cell cultures
cell transplantations

FIG. 4A

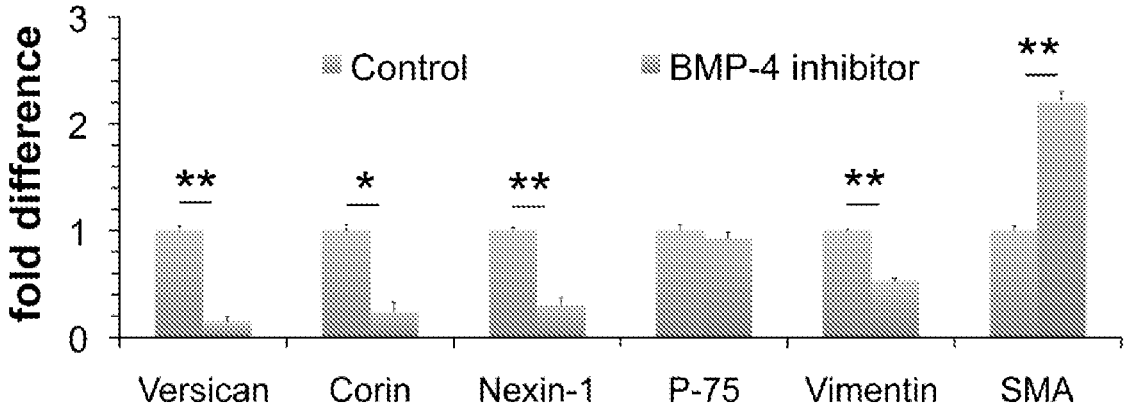

fold difference
3
2
1
0
Control
BMP-4 inhibitor
**
*
**
**
**
Versican
Corin
Nexin-1
P-75
Vimentin
SMA

FIG. 4B

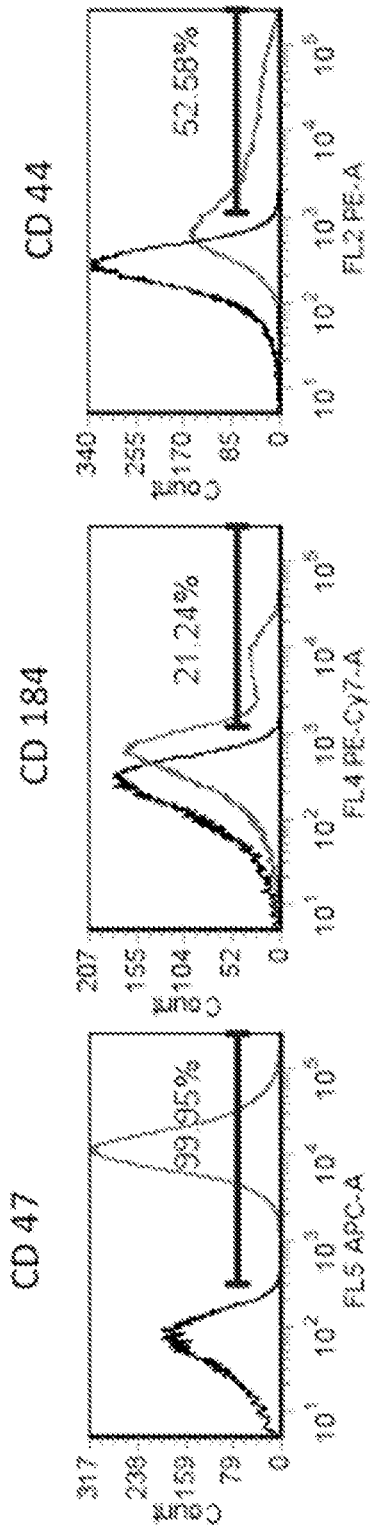

CD 47
99.95%
FL5 APC-A
Count
317
238
159
79
0
CD 184
21.24%
FL4 PE-CY7-A
Count
207
155
104
52
0
CD 44
52.58%
FL2 PE-A
Count
340
255
170
85
0

FIG. 5

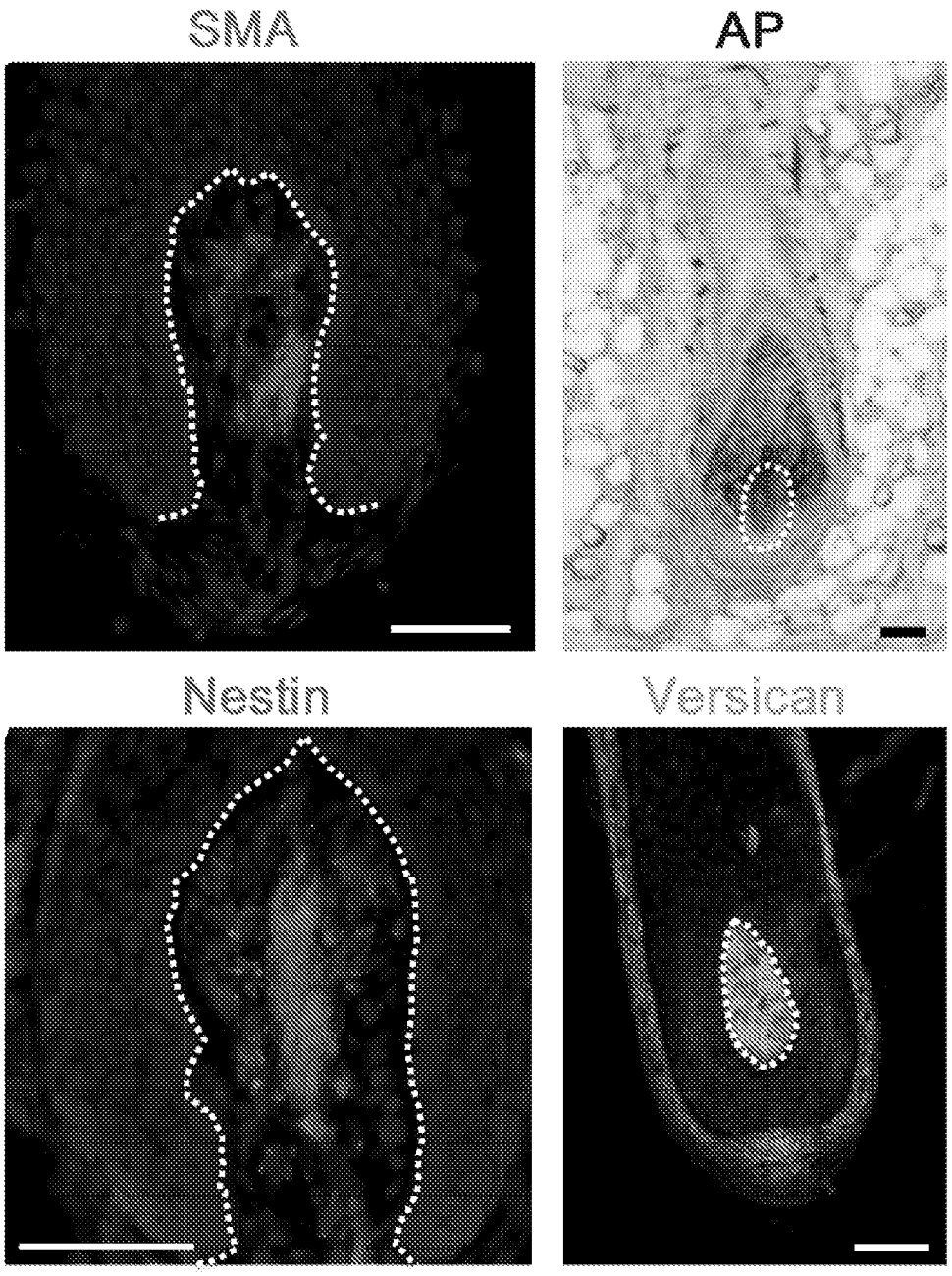


FIG. 6

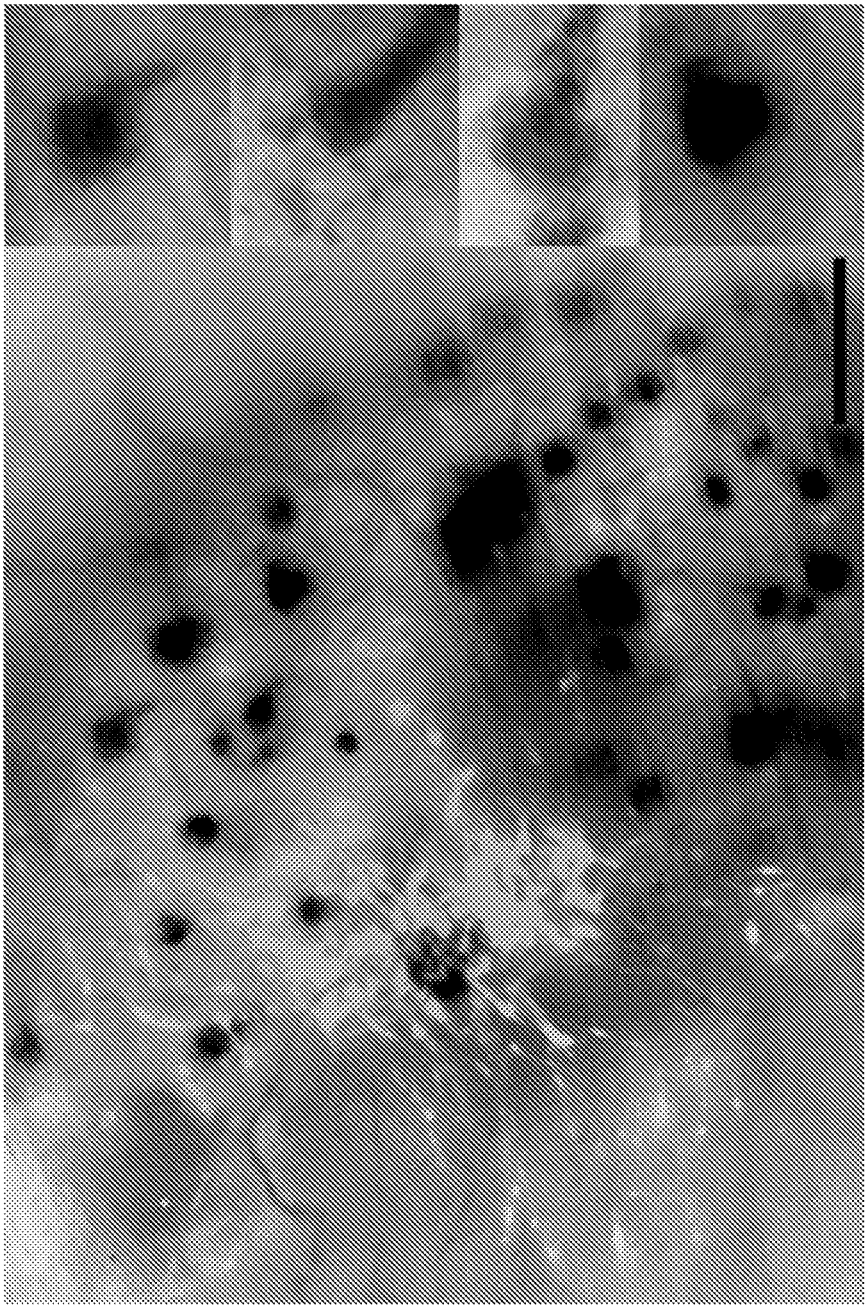


FIG. 7

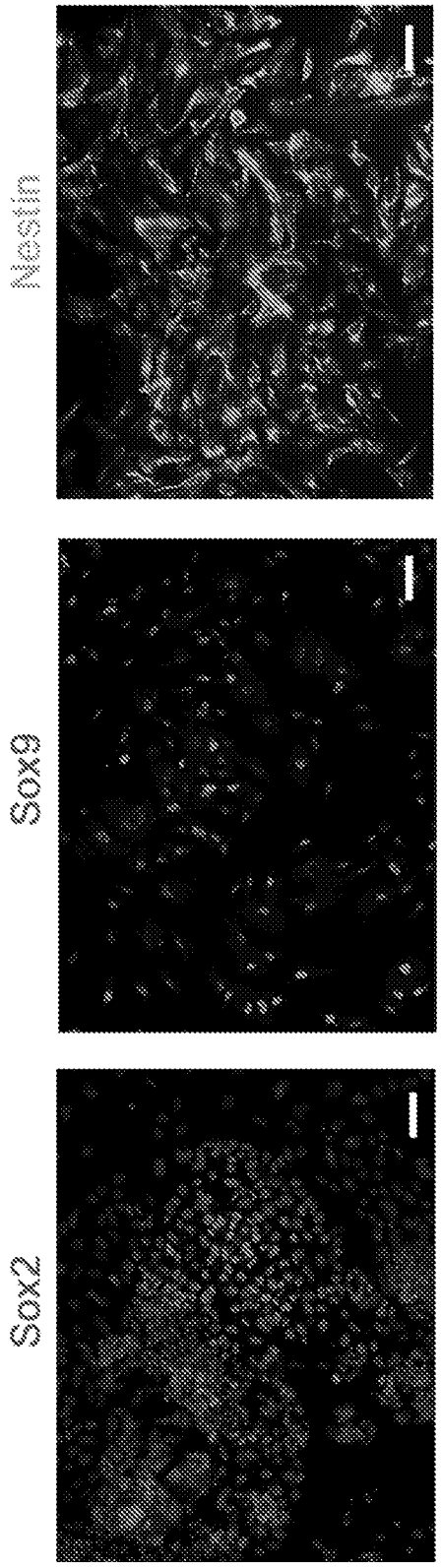


FIG. 8A

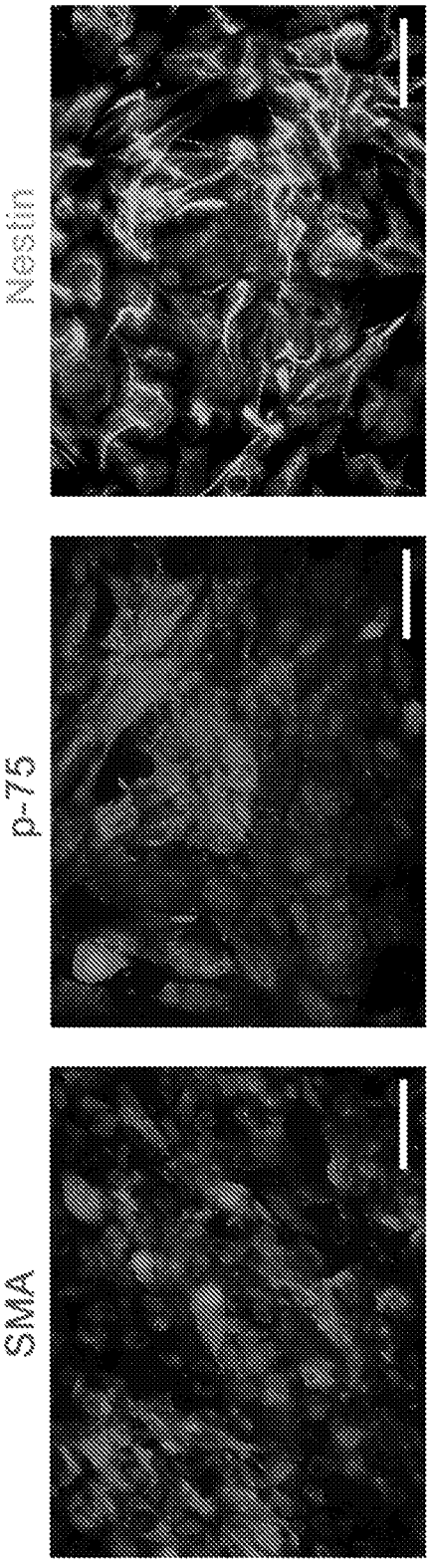


FIG. 8B

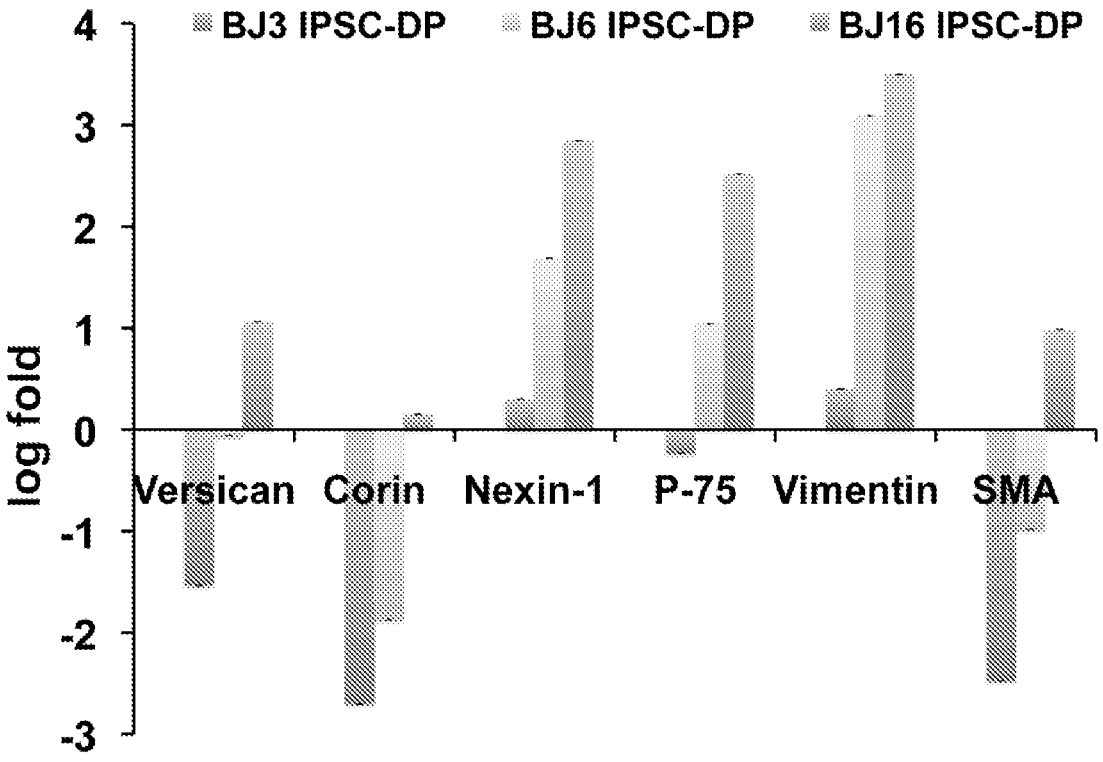

BJ3 IPSC-DP
BJ6 IPSC-DP
BJ16 IPSC-DP
log fold
4
3
2
1
0
-1
-2
-3
Versican
Corin
Nexin-1
P-75
Vimentin
SMA

FIG. 8C