Figure 1

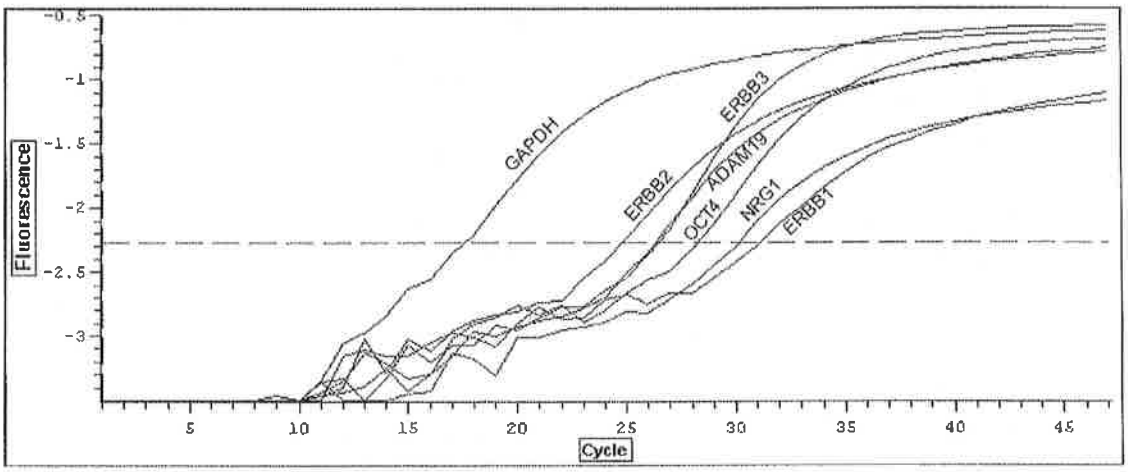


Figure 2

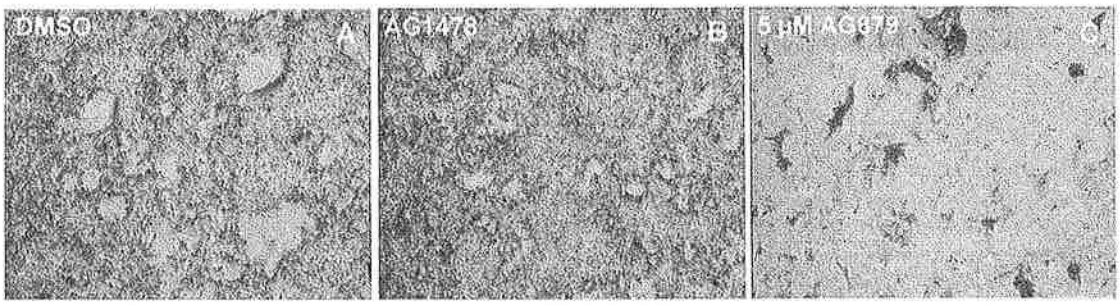


Figure 3

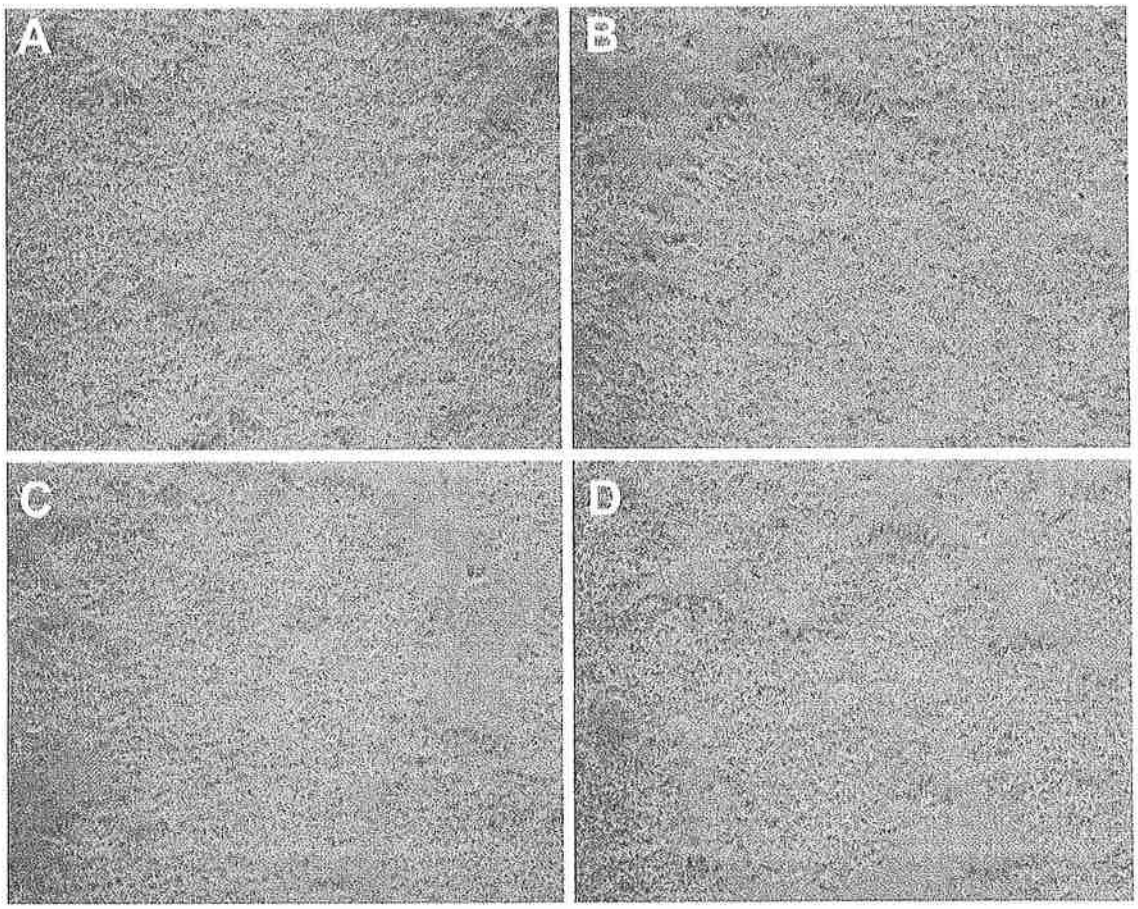


Figure 4

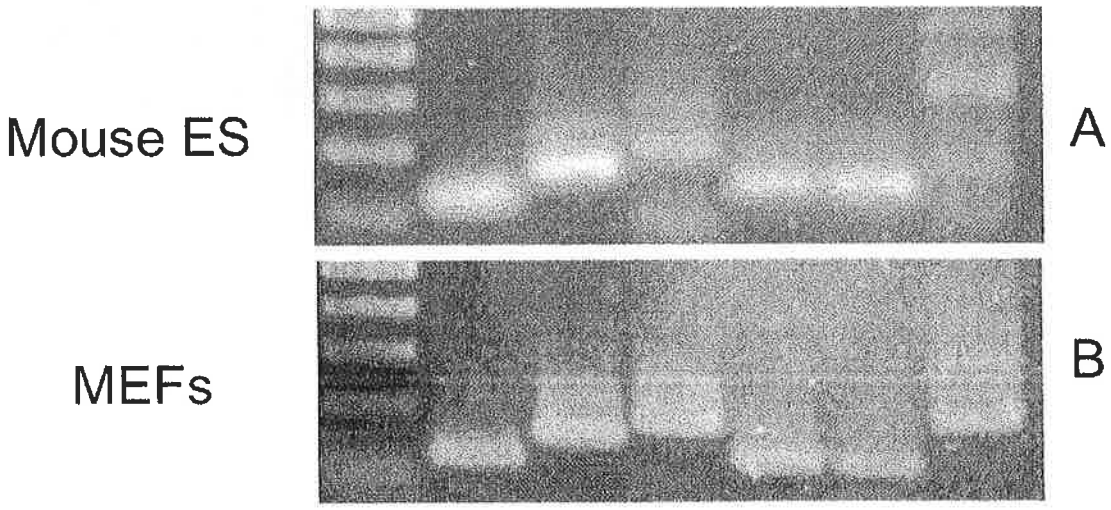


Figure 5

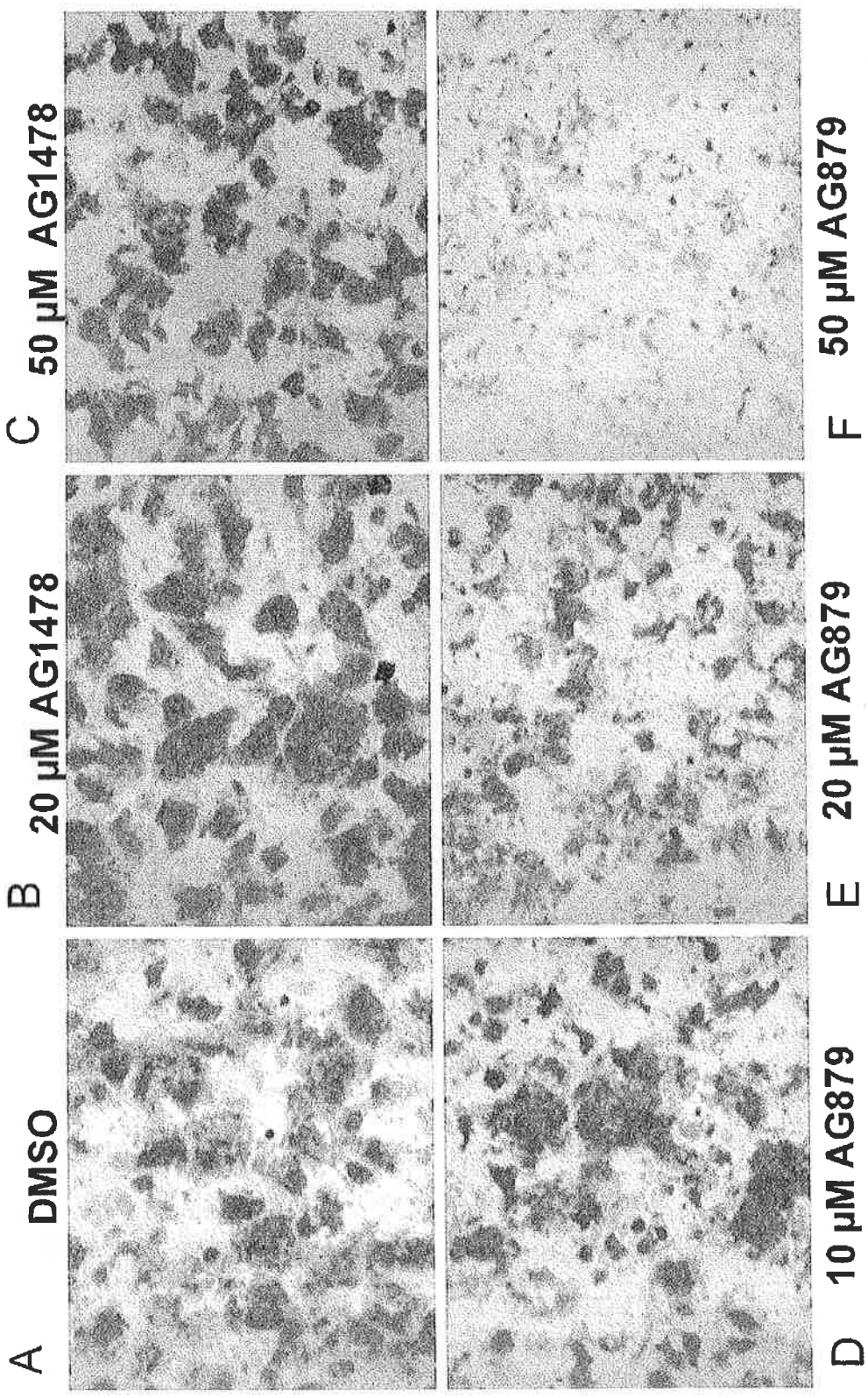

A
DMSO
B
20 µM AG1478
C
50 µM AG1478
D
10 µM AG879
E
20 µM AG879
F
50 µM AG879

Figure 6

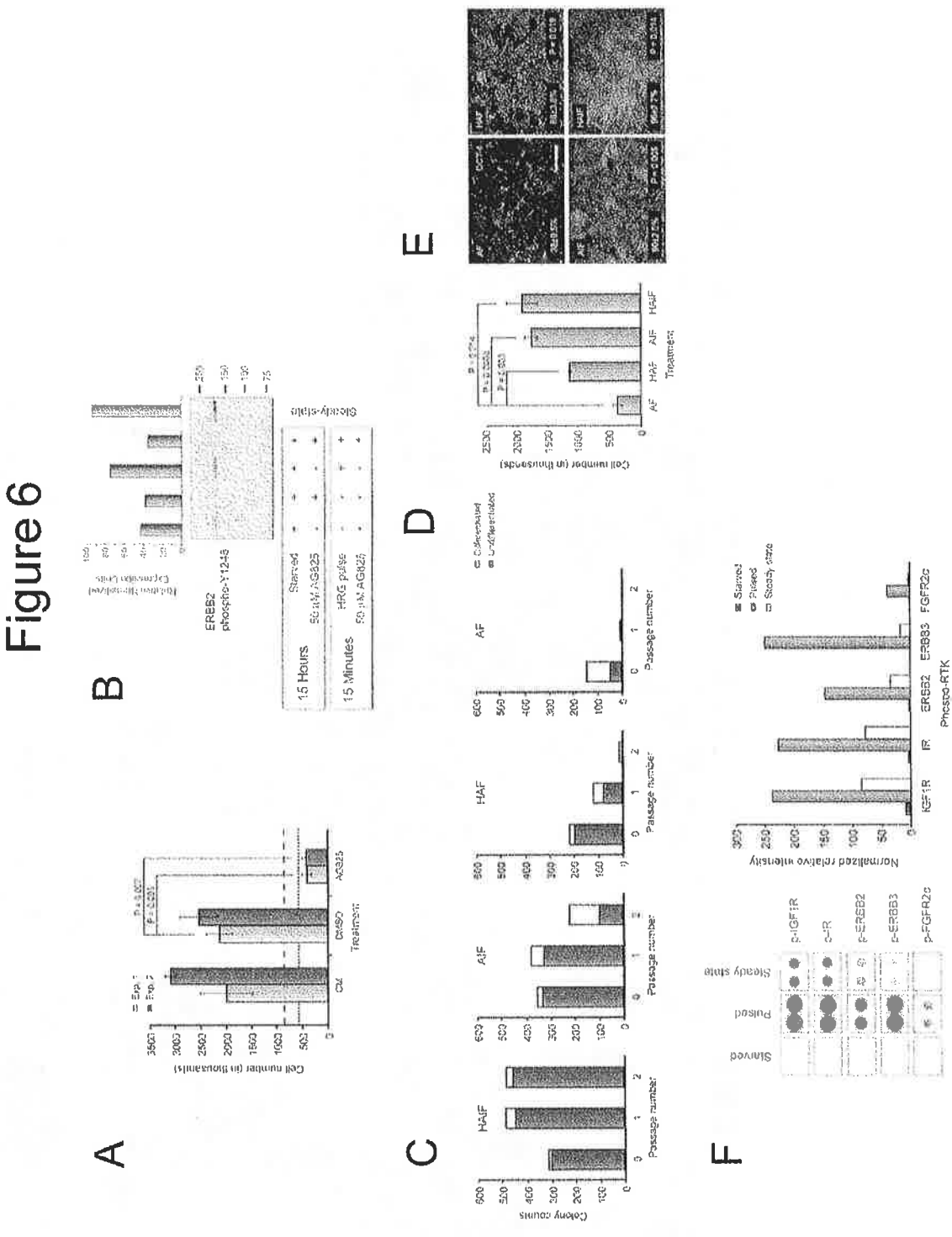
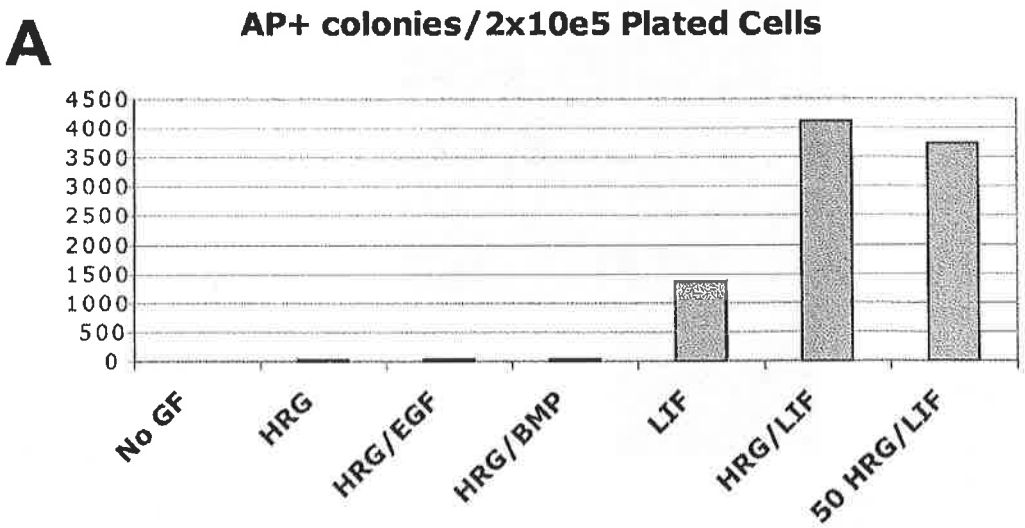

A
B
C
D
E
F
Cell number (in thousands)
Treatment
Passage number
Colony counts
Normalized relative intensity
Phospho-RTK
IGF1R
IR
ERBB2
ERBB3
FGFR2c
Starved
Pulsed
Steady state
ERBB2 phospho-Y1248
Steady-state
15 Hours
15 Minutes
Starved
HRG pulse
AG825
CM
DMSO
AG825
HAF
AIF
Differentiated
Undifferentiated

Figure 7


A
AP+ colonies/2x10e5 Plated Cells
4500
4000
3500
3000
2500
2000
1500
1000
500
0
No GF
HRG
HRG/EGF
HRG/BMP
LIF
HRG/LIF
50 HRG/LIF

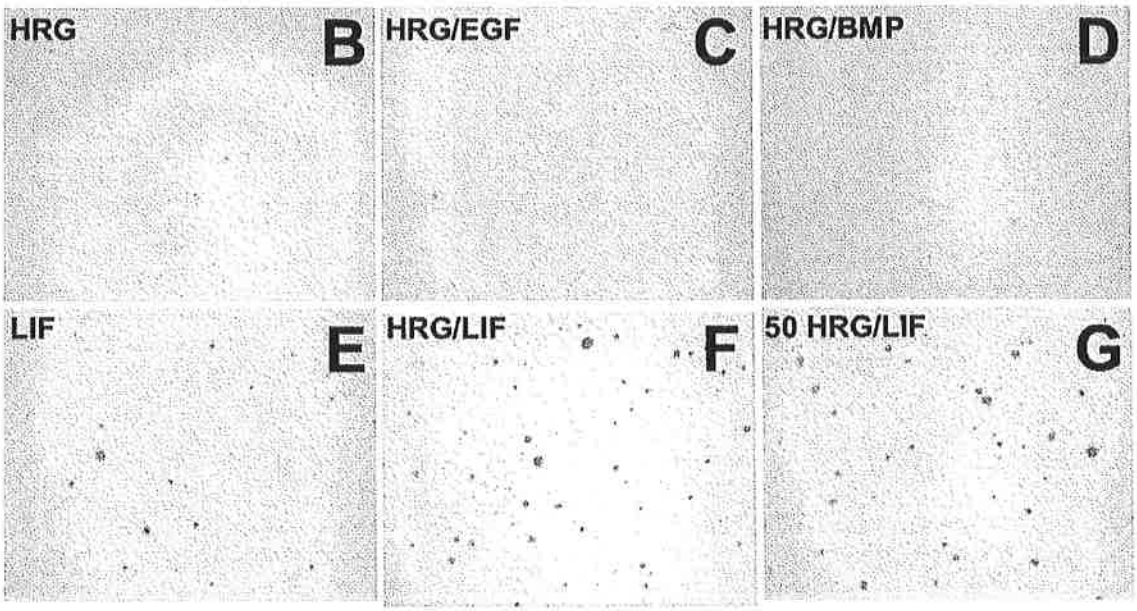

HRG
B
HRG/EGF
C
HRG/BMP
D
LIF
E
HRG/LIF
F
50 HRG/LIF
G

Figure 8

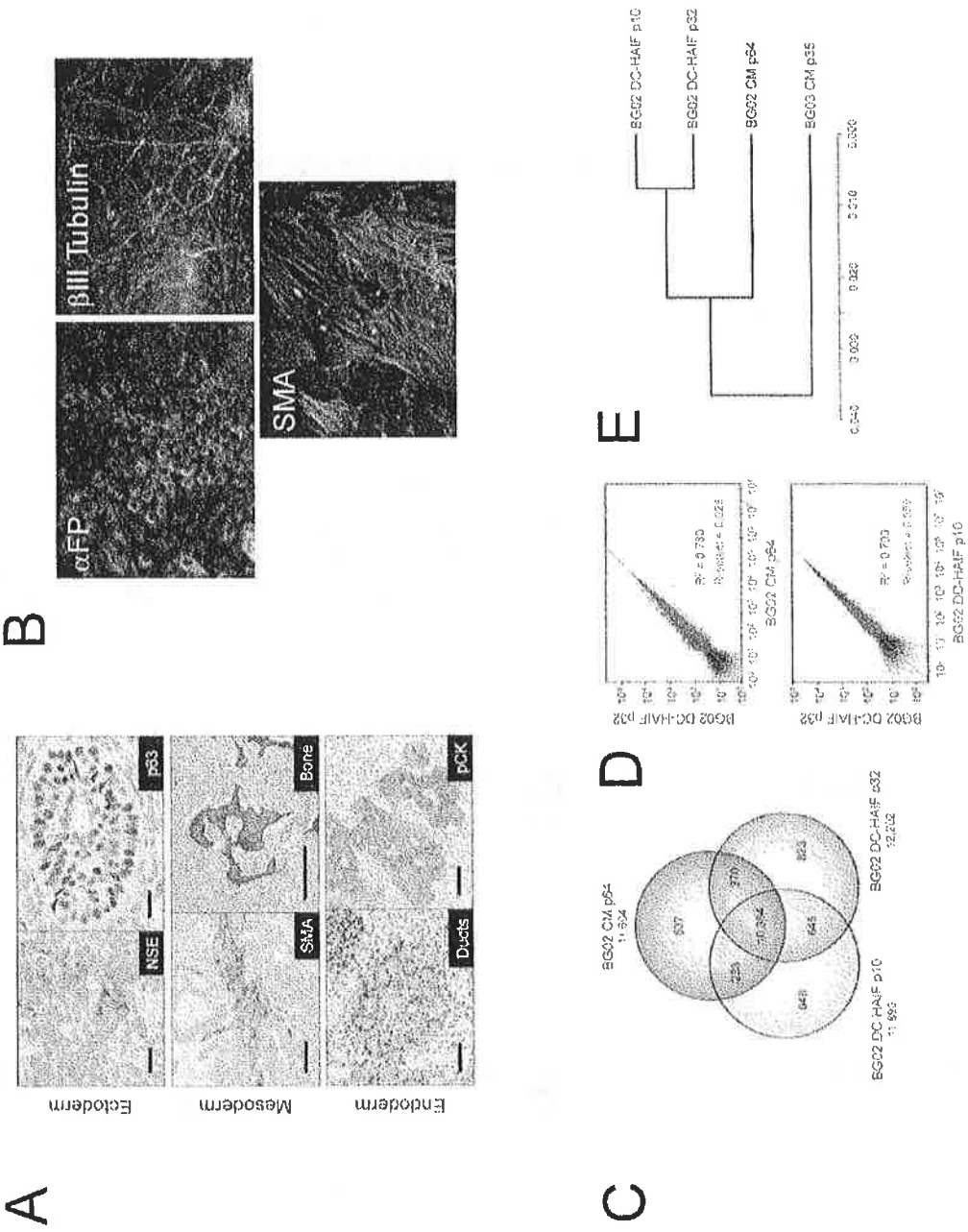
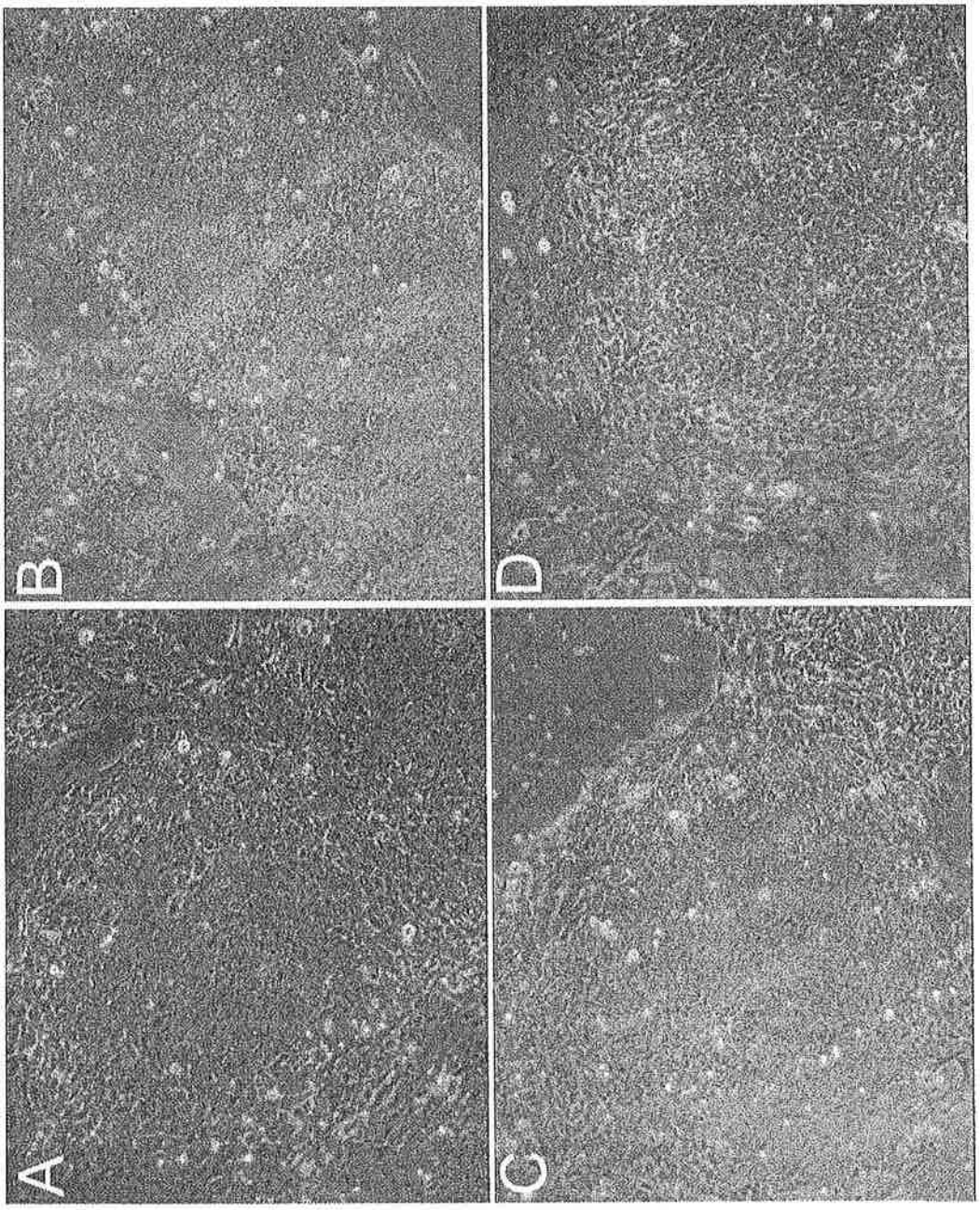

A
Ectoderm
Mesoderm
Endoderm
p53
NSE
SMA
Bone
pCK
Ducts
B
αFP
βIII Tubulin
SMA
C
BG02 CM p54
11,554
BG02 DC-HAIF p32
12,202
BG02 DC-HAIF p10
11,993
537
370
823
10,304
645
225
648
D
BG02 DC-HAIF p32
BG02 CM p54
BG02 DC-HAIF p32
BG02 DC-HAIF p10
E
BG02 DC-HAIF p10
BG02 DC-HAIF p32
BG02 CM p54
BG03 CM p35

Figure 9



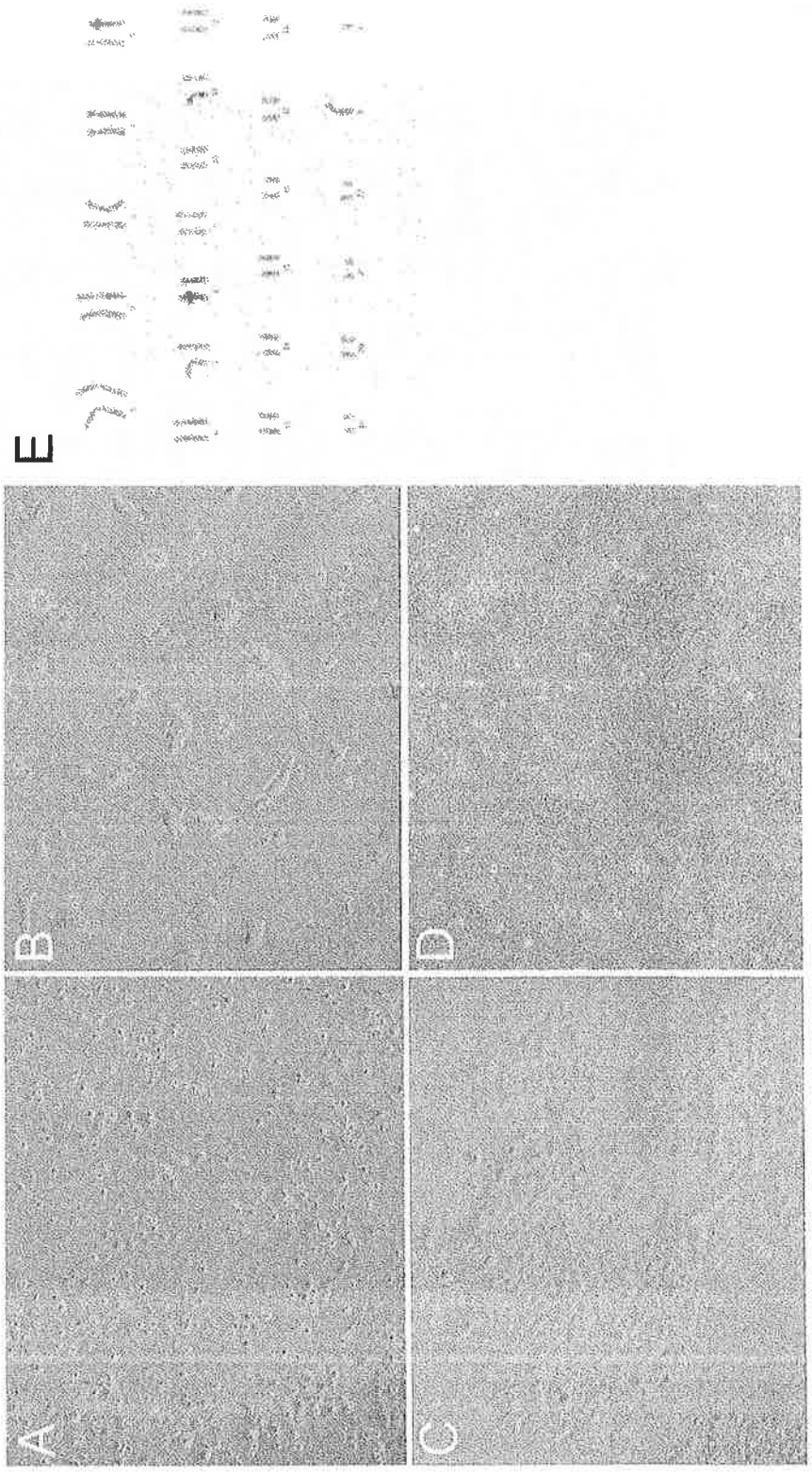


Figure 10

Figure 11

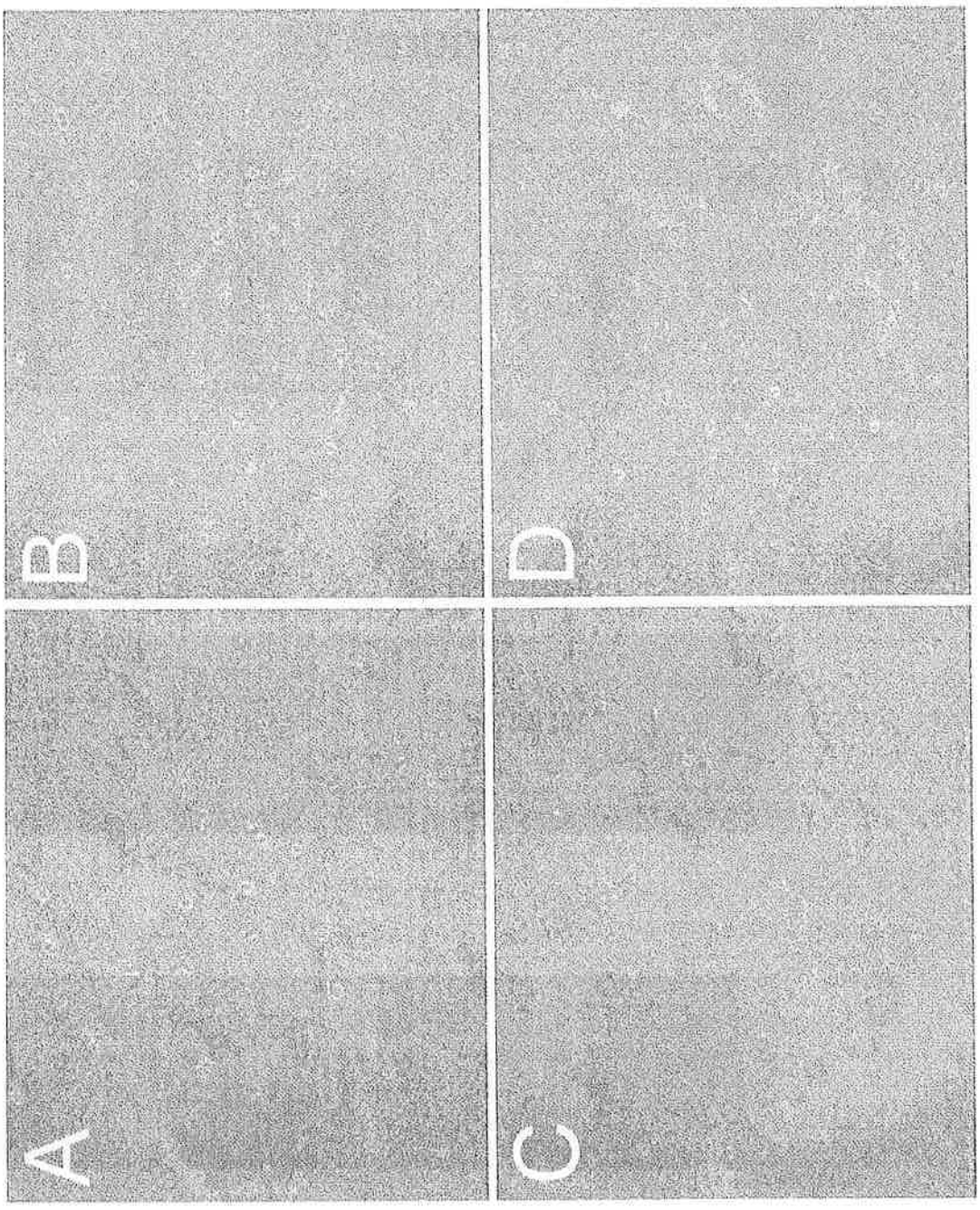


Figure 12

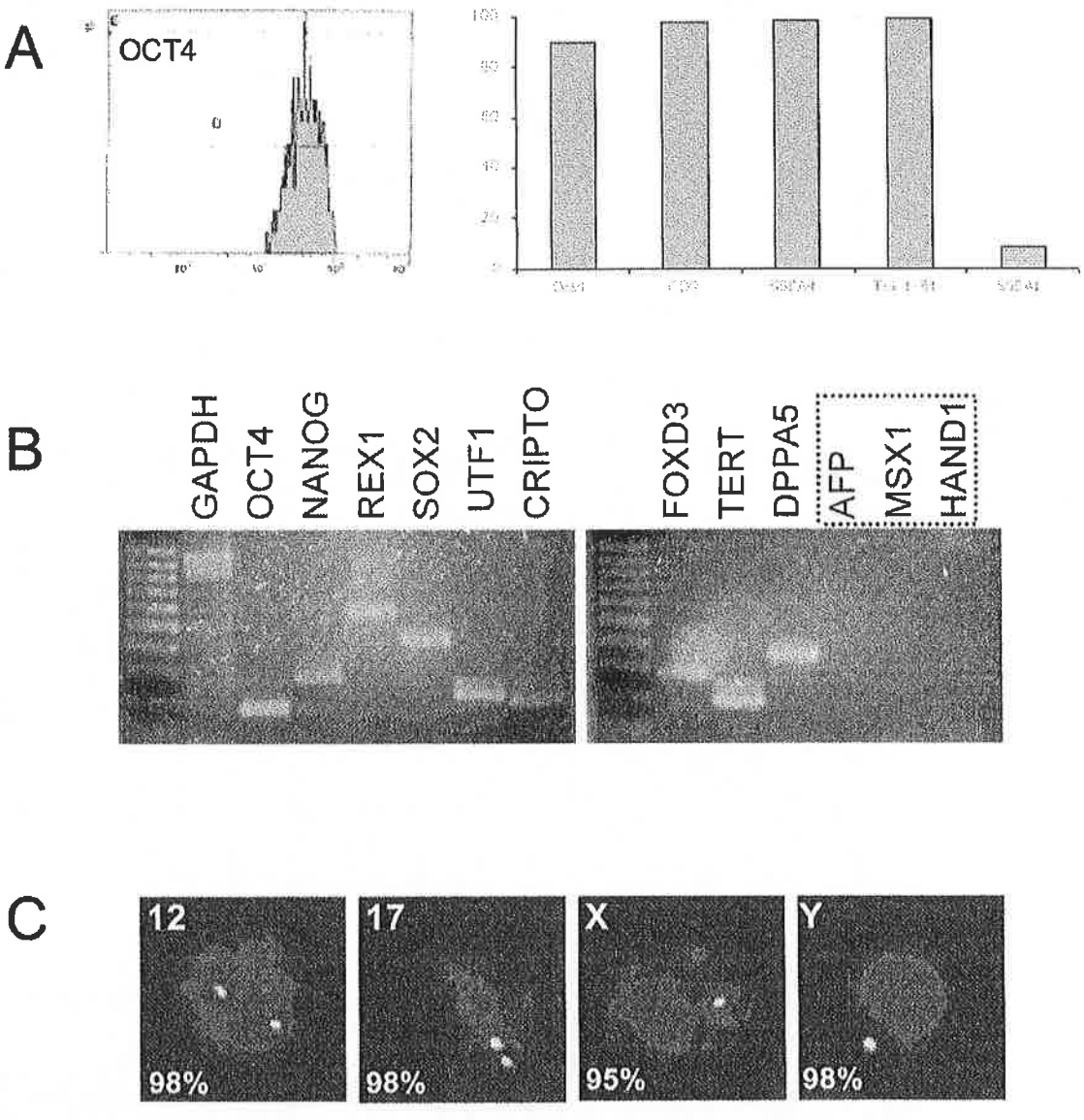

A
OCT4
B
GAPDH
OCT4
NANOG
REX1
SOX2
UTF1
CRIPTO
FOXD3
TERT
DPPA5
AFP
MSX1
HAND1
C
12
98%
17
98%
X
95%
Y
98%

Figure 13

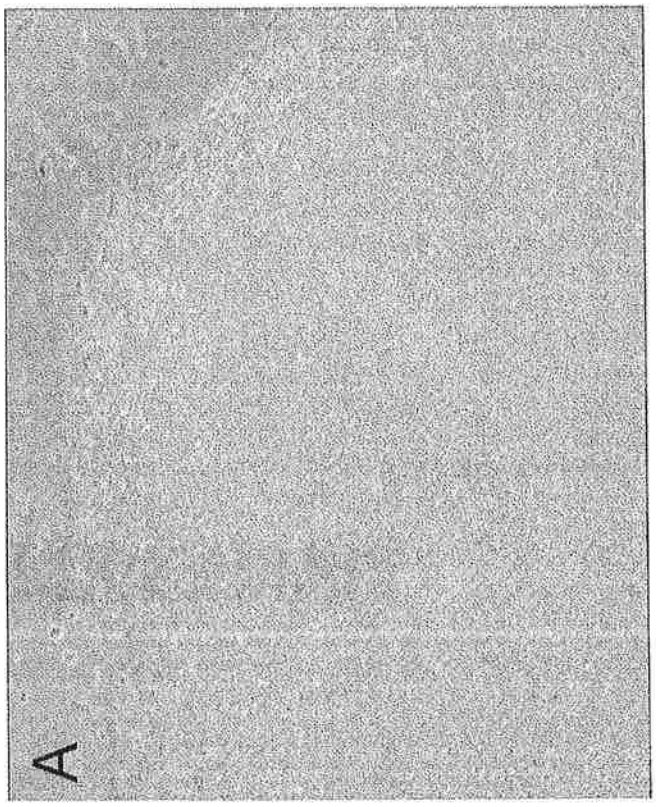


Figure 14

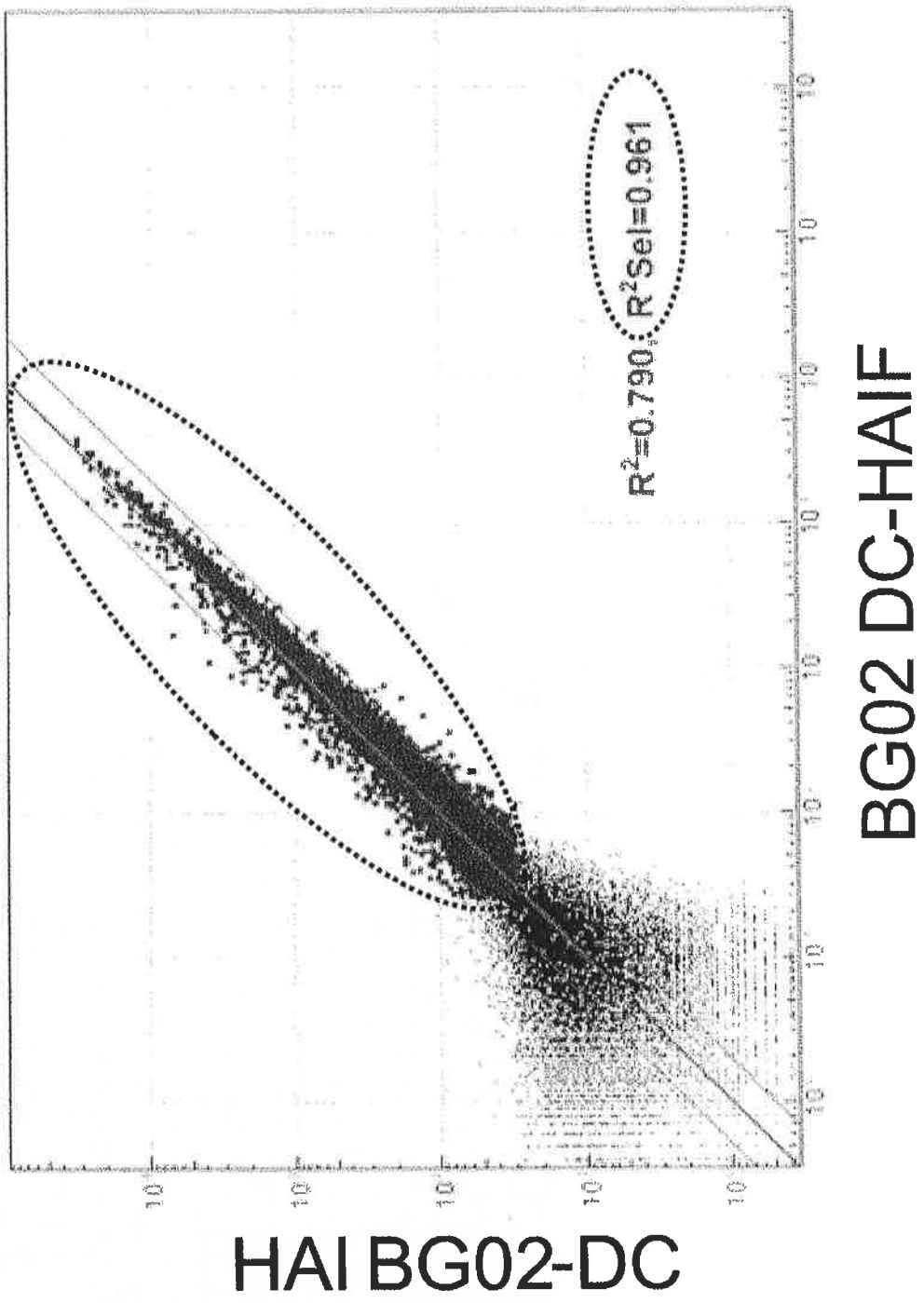


Figure 15

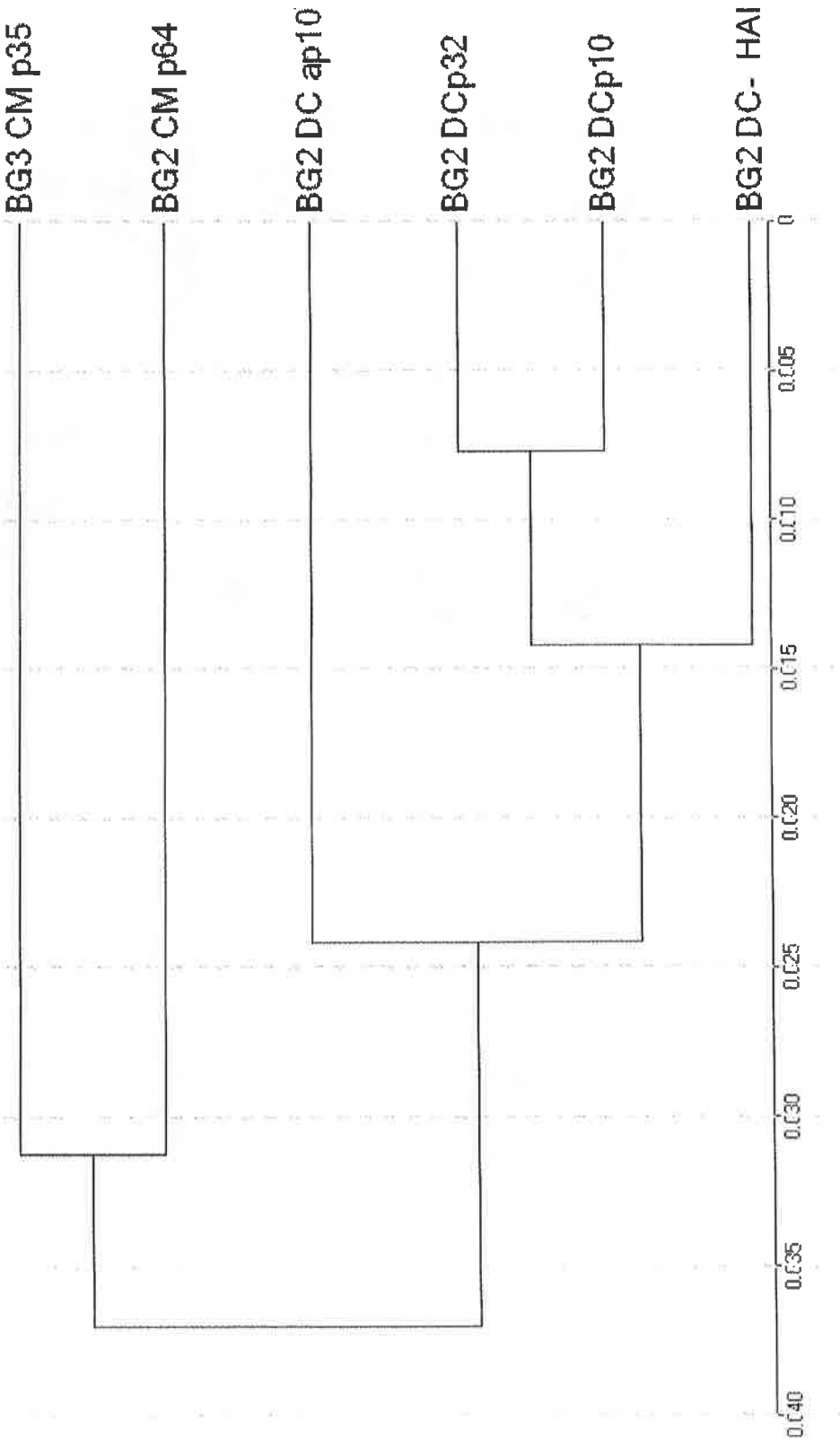

BG3 CM p35
BG2 CM p64
BG2 DC ap10
BG2 DCp32
BG2 DCp10
BG2 DC- HAI
0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
0.040

Figure 16

