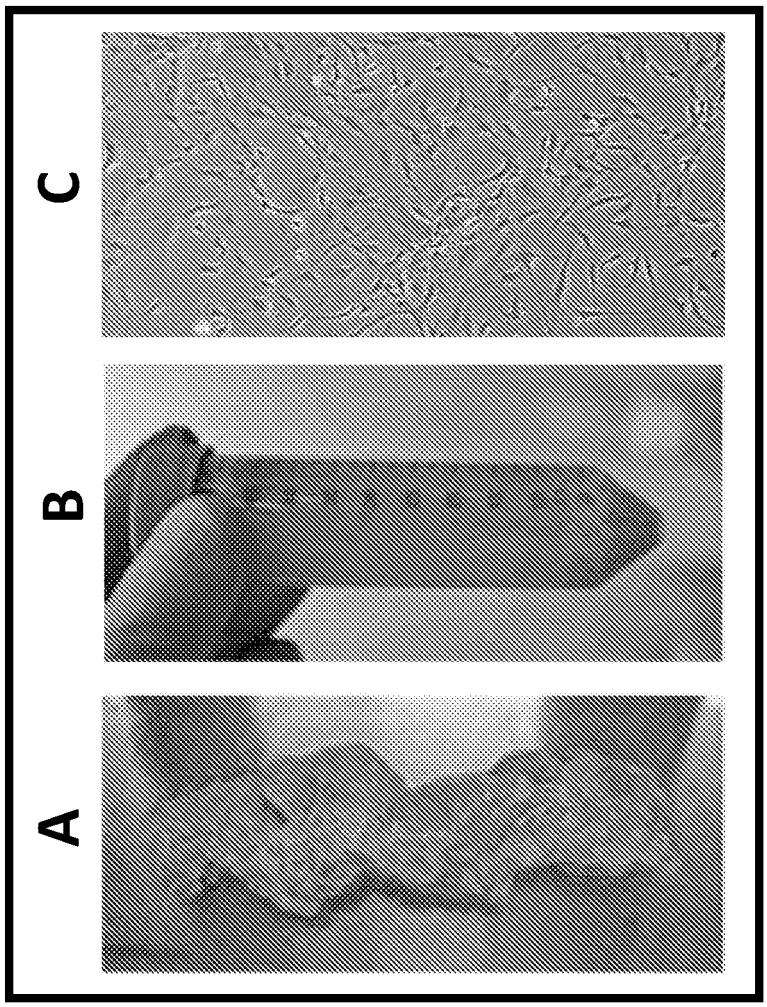
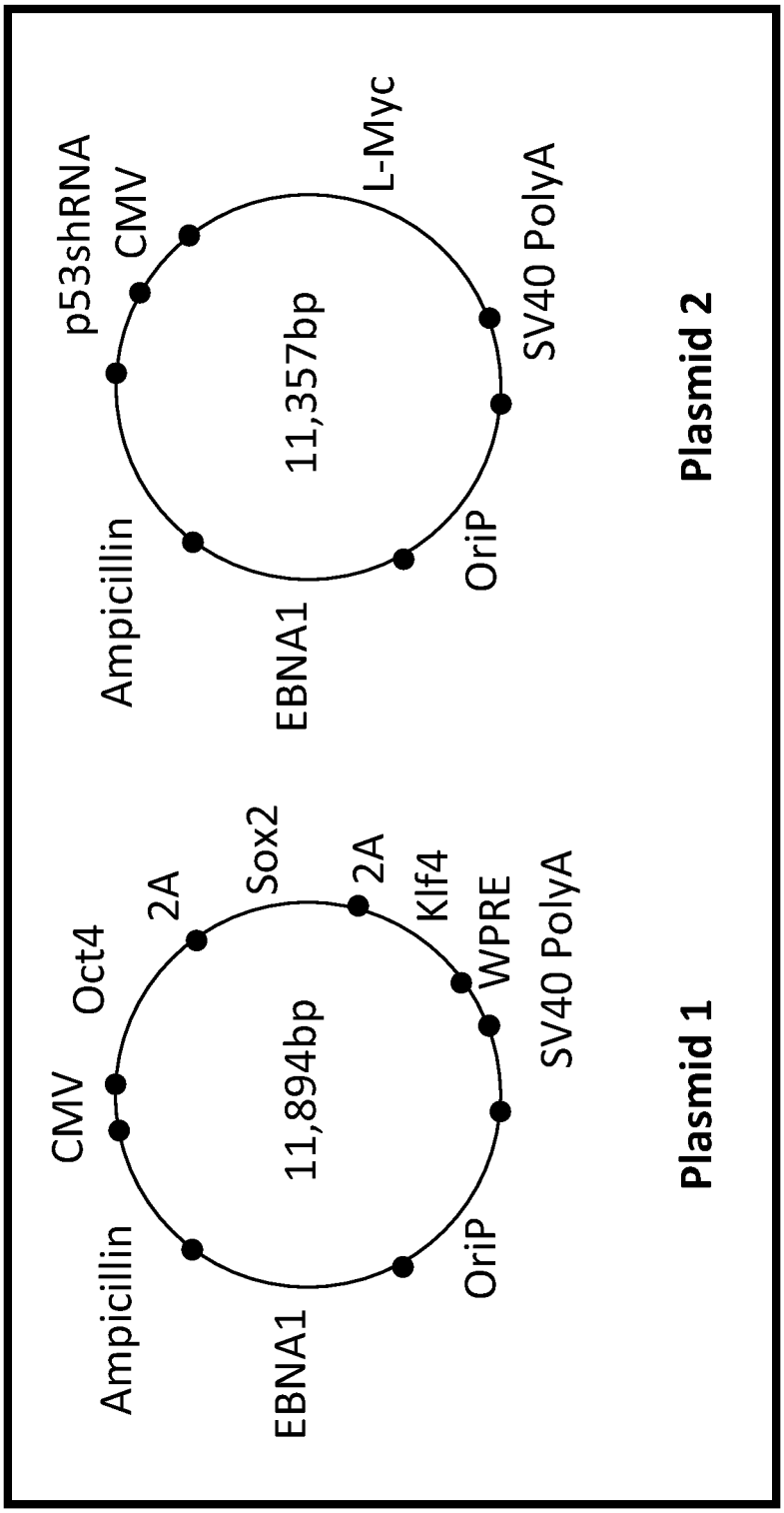


Figure 1.

Figure 2.


Plasmid 1
11,894bp
CMV
Oct4
2A
Sox2
2A
Klf4
WPRE
SV40 PolyA
OriP
EBNA1
Ampicillin
Plasmid 2
11,357bp
p53shRNA
CMV
L-Myc
SV40 PolyA
OriP
EBNA1
Ampicillin

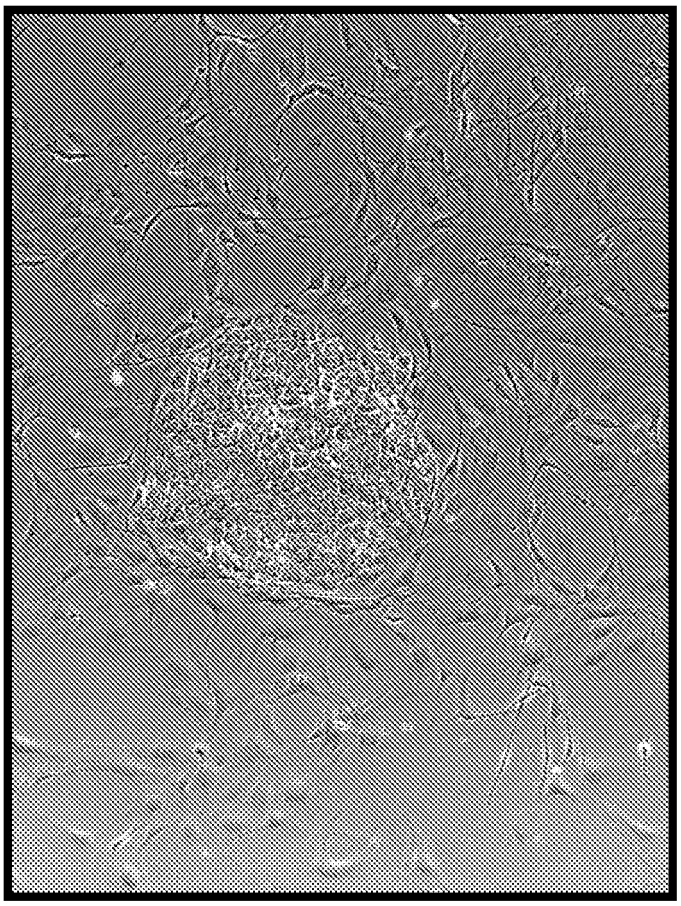


Figure 3.

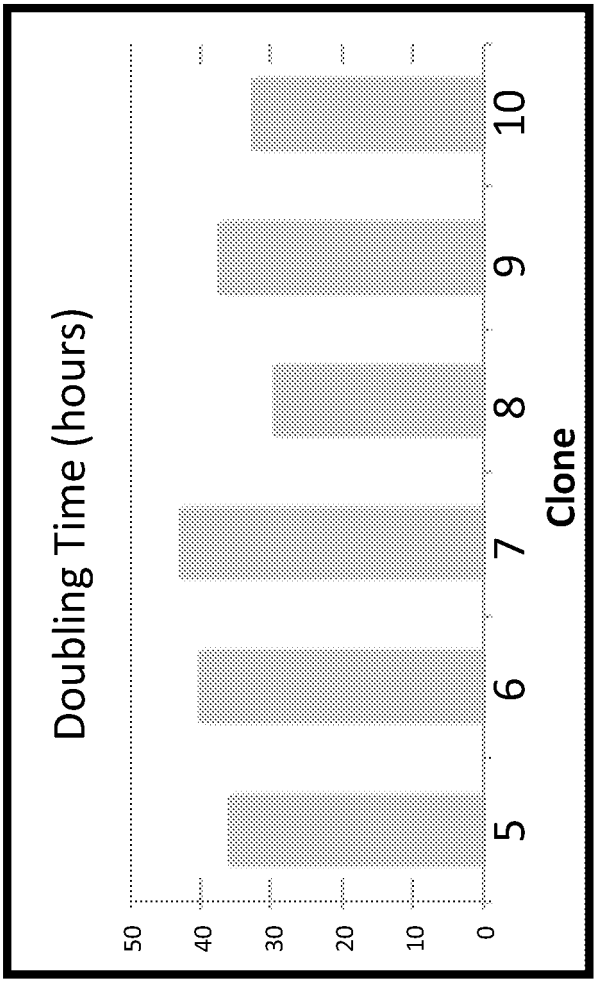
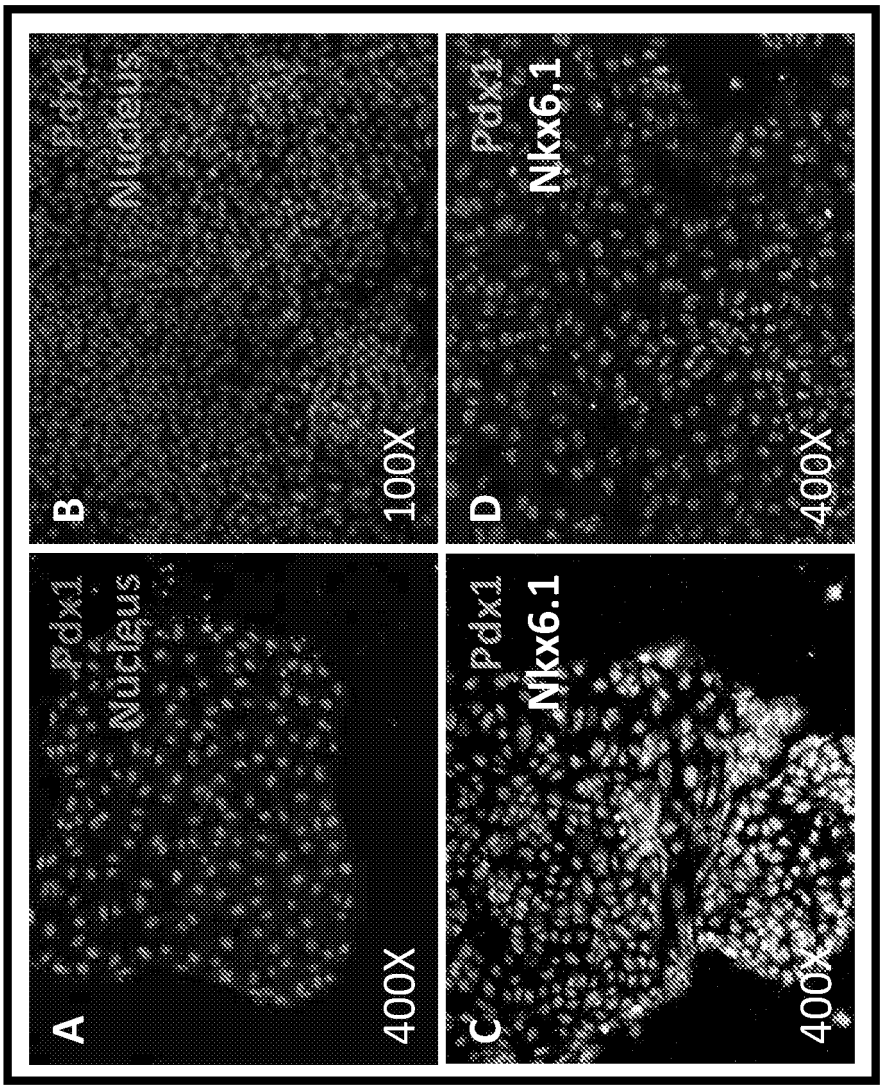


Figure 4.

Figure 5.


A
Pdx1
Nucleus
400X
B
Pdx1
Nucleus
100X
C
Pdx1
Nkx6.1
400X
D
Pdx1
Nkx6.1
400X

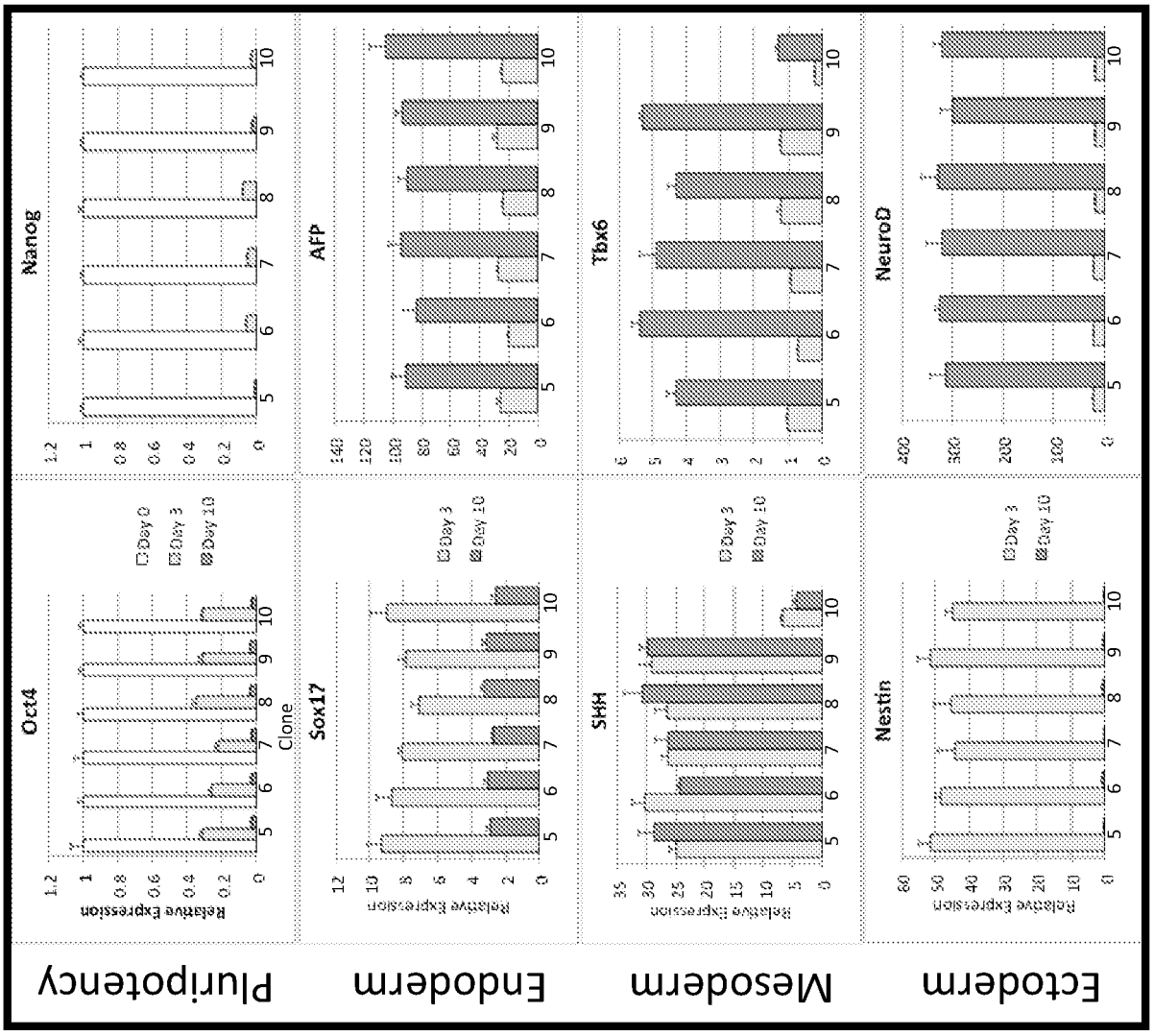

Pluripotency
Endoderm
Mesoderm
Ectoderm
Oct4
Nanog
Sox17
AFP
SHH
Tbx6
Nestin
NeuroD
Relative Expression
Clone
Day 0
Day 3
Day 10

Figure 6.

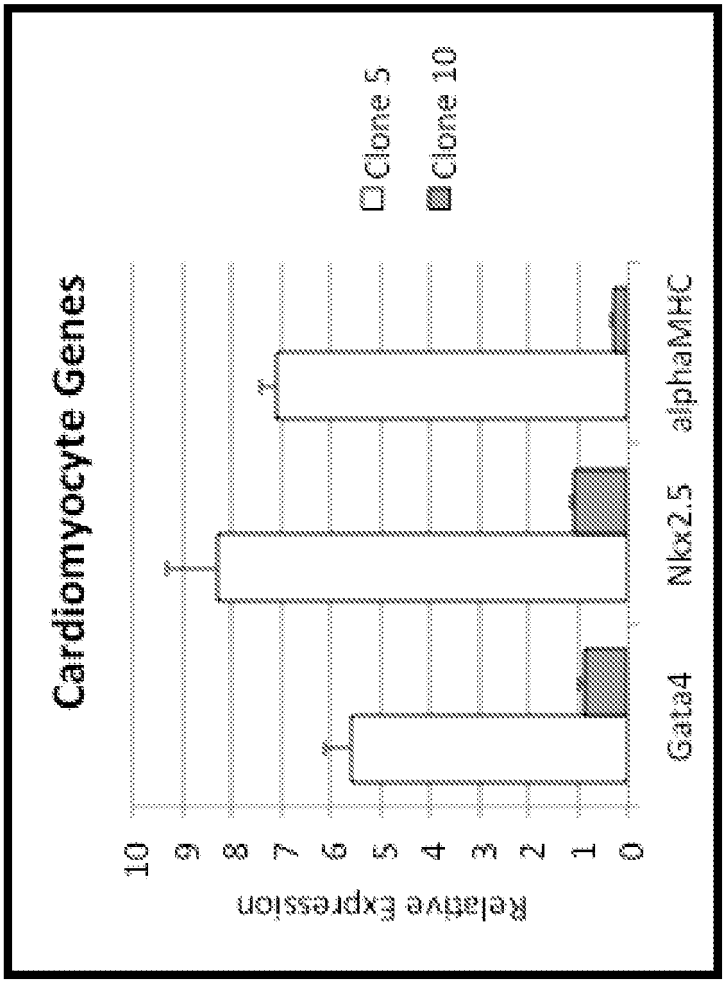

Cardiomyocyte Genes
Clone 5
Clone 10
Relative expression
10
9
8
7
6
5
4
3
2
1
0
Gata4
Nkx2.5
alphaMHC

Figure 7.