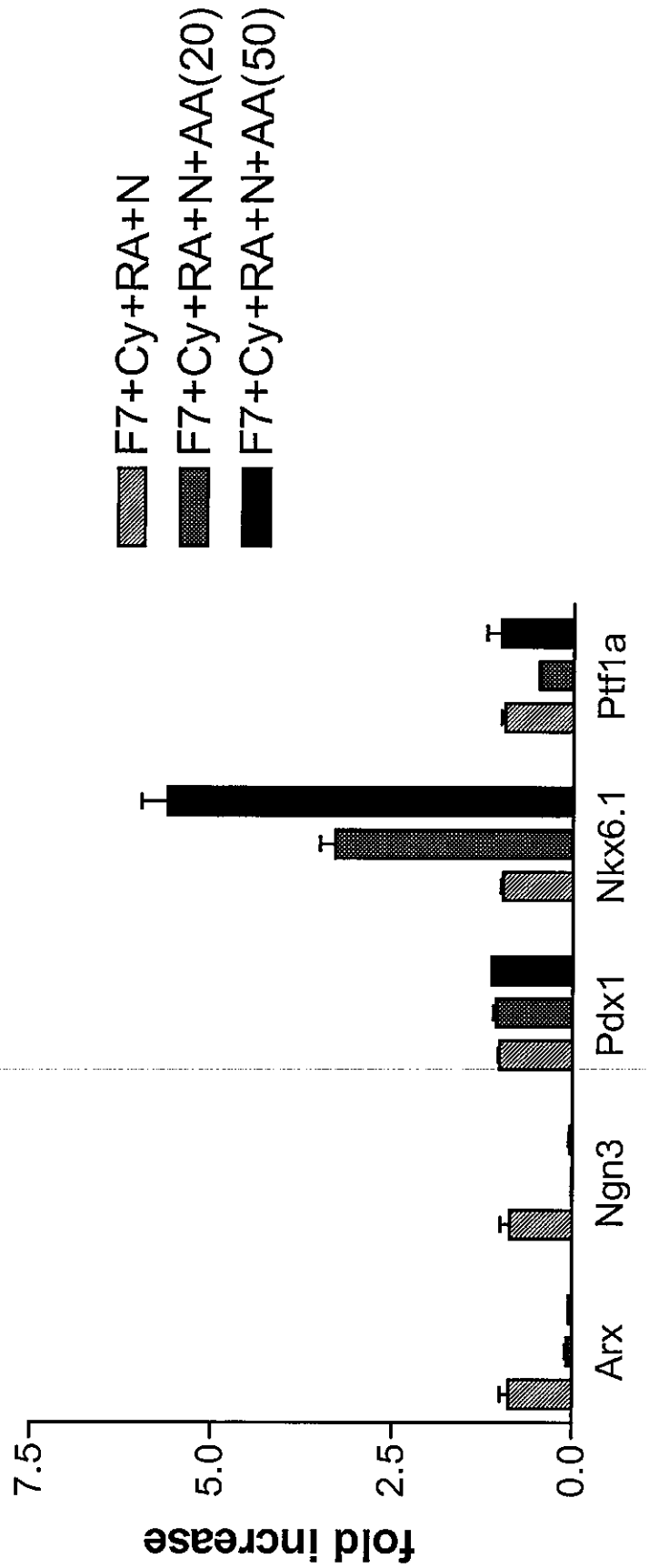
Figure 1



CEN5260WOPCT: Jean Xu -DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS

CEN5260WOPCT: Jean Xu -DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS

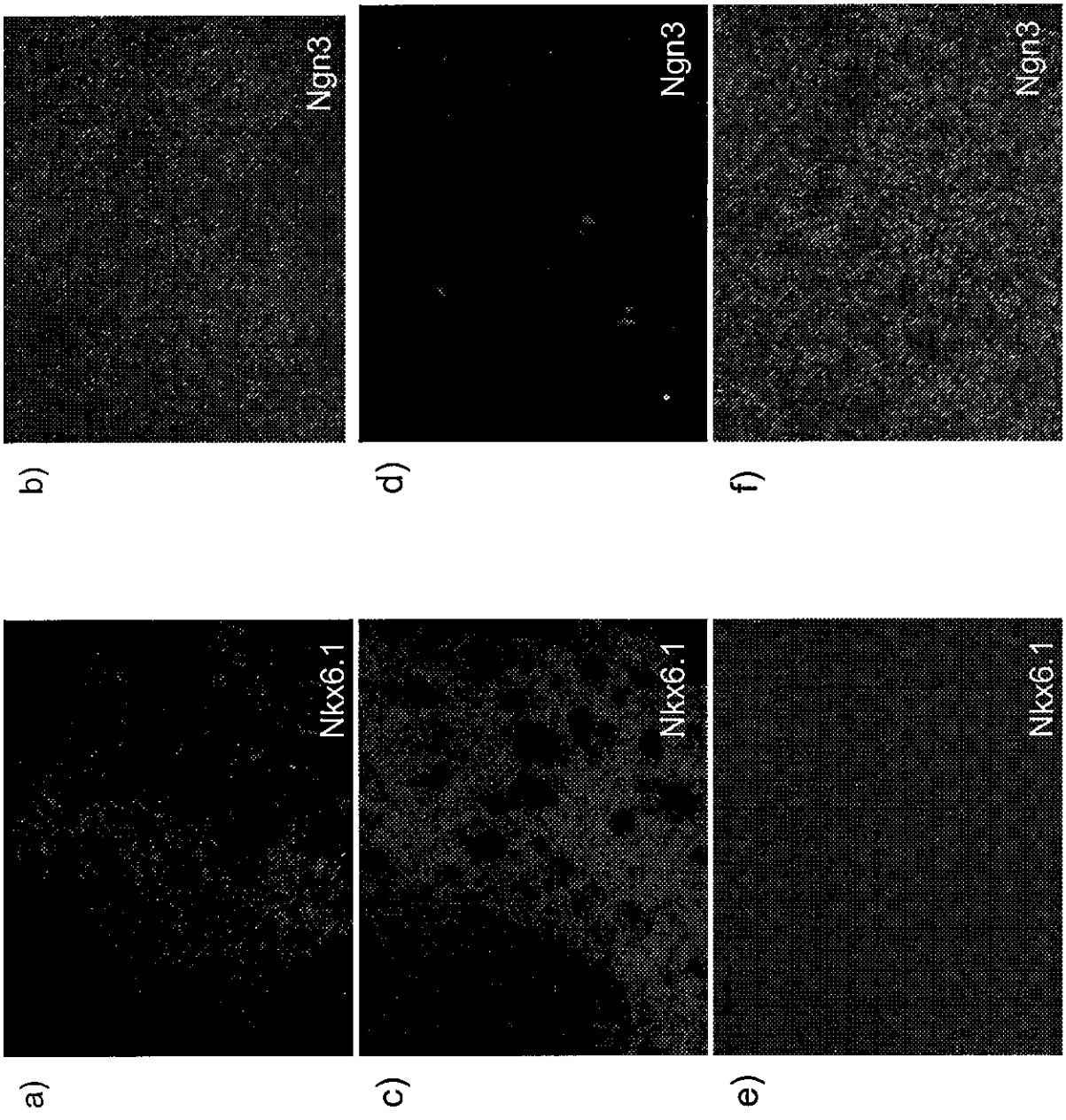


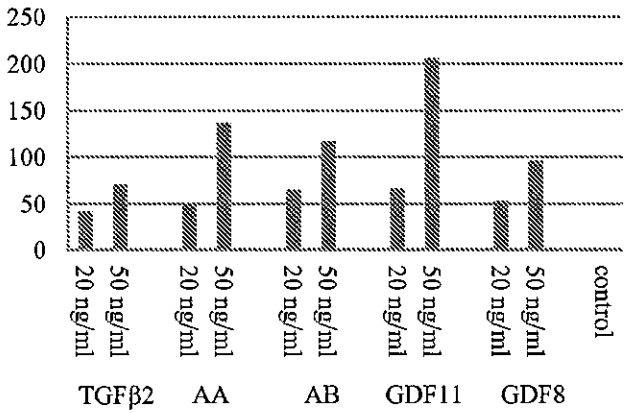
Figure 2

Figure 3

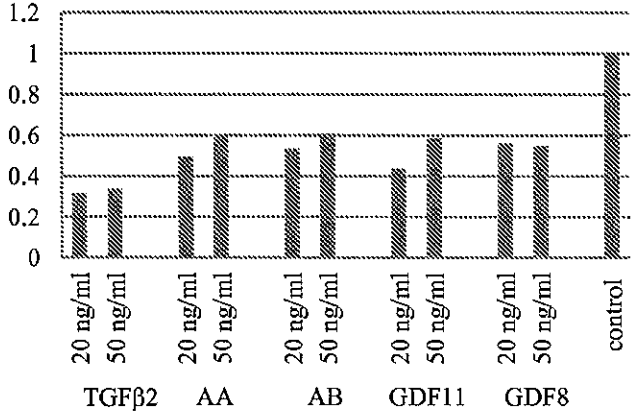
CEN5260WOPCT: Jean Xu -DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS

Figure 4

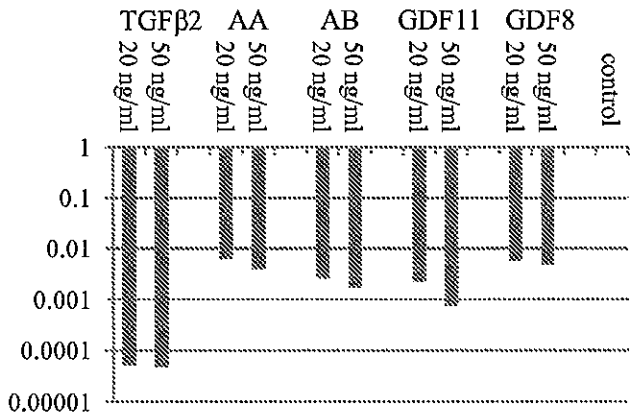
a)



b)



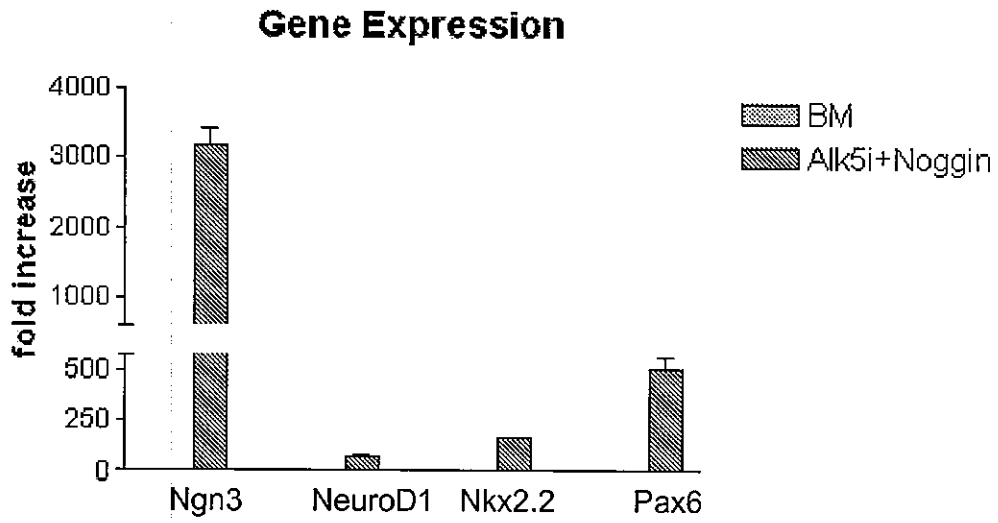
c)



CEN5260WOPCT: Jean Xu -DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS

Figure 5.

a)


Gene Expression
fold increase
4000
3000
2000
1000
500
250
0
Ngn3
NeuroD1
Nkx2.2
Pax6
BM
Alk5i+Noggin

b)

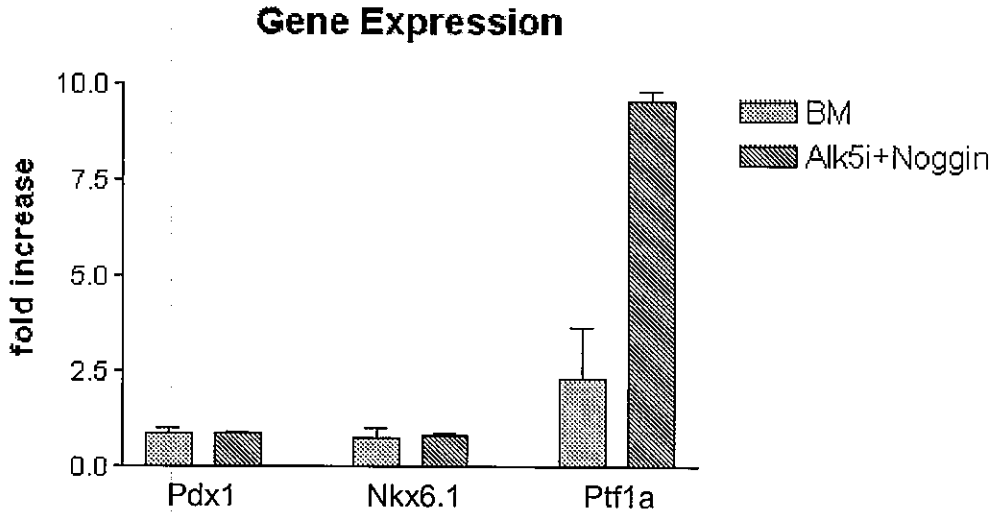

Gene Expression
fold increase
10.0
7.5
5.0
2.5
0.0
Pdx1
Nkx6.1
Ptf1a
BM
Alk5i+Noggin

Figure 6.

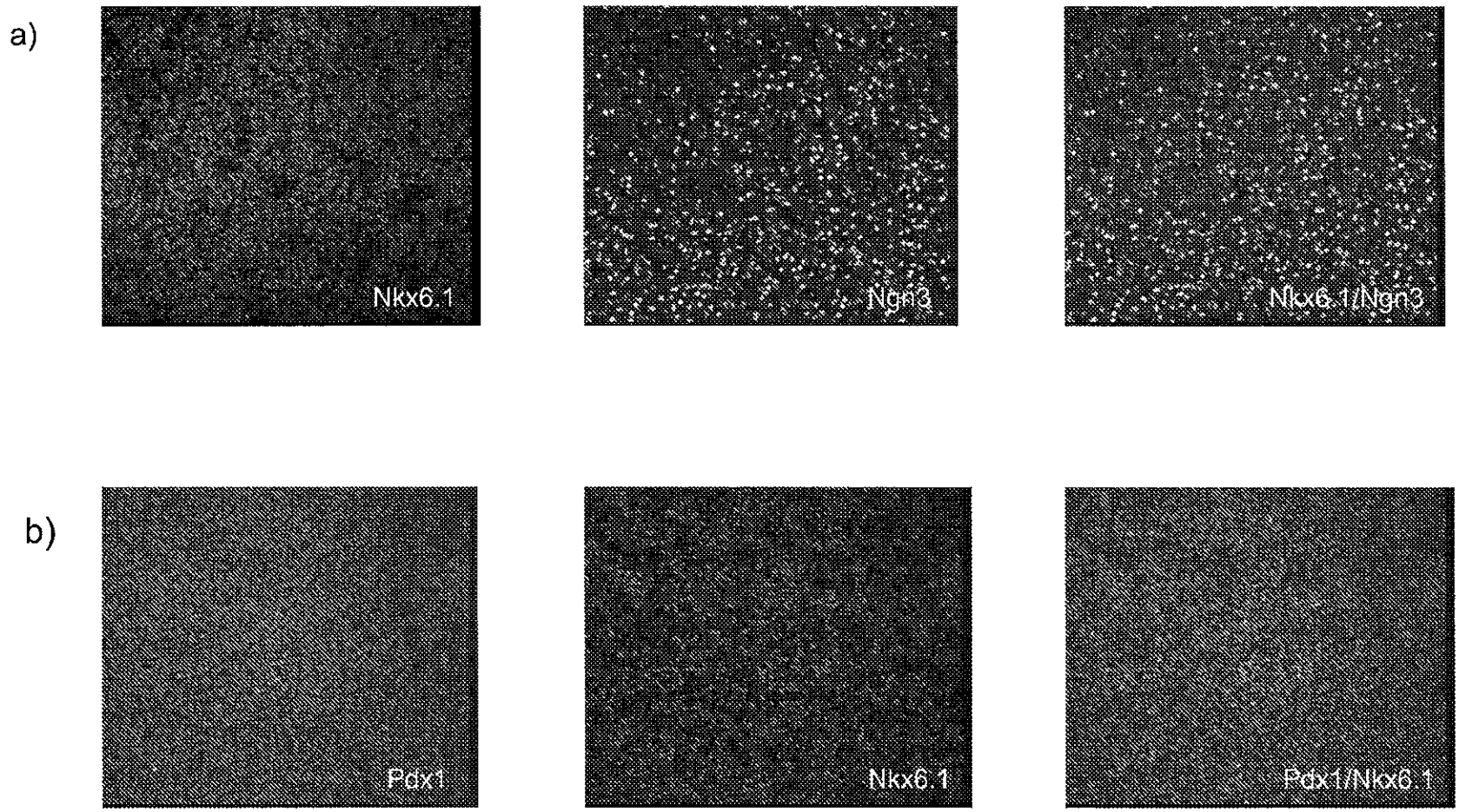
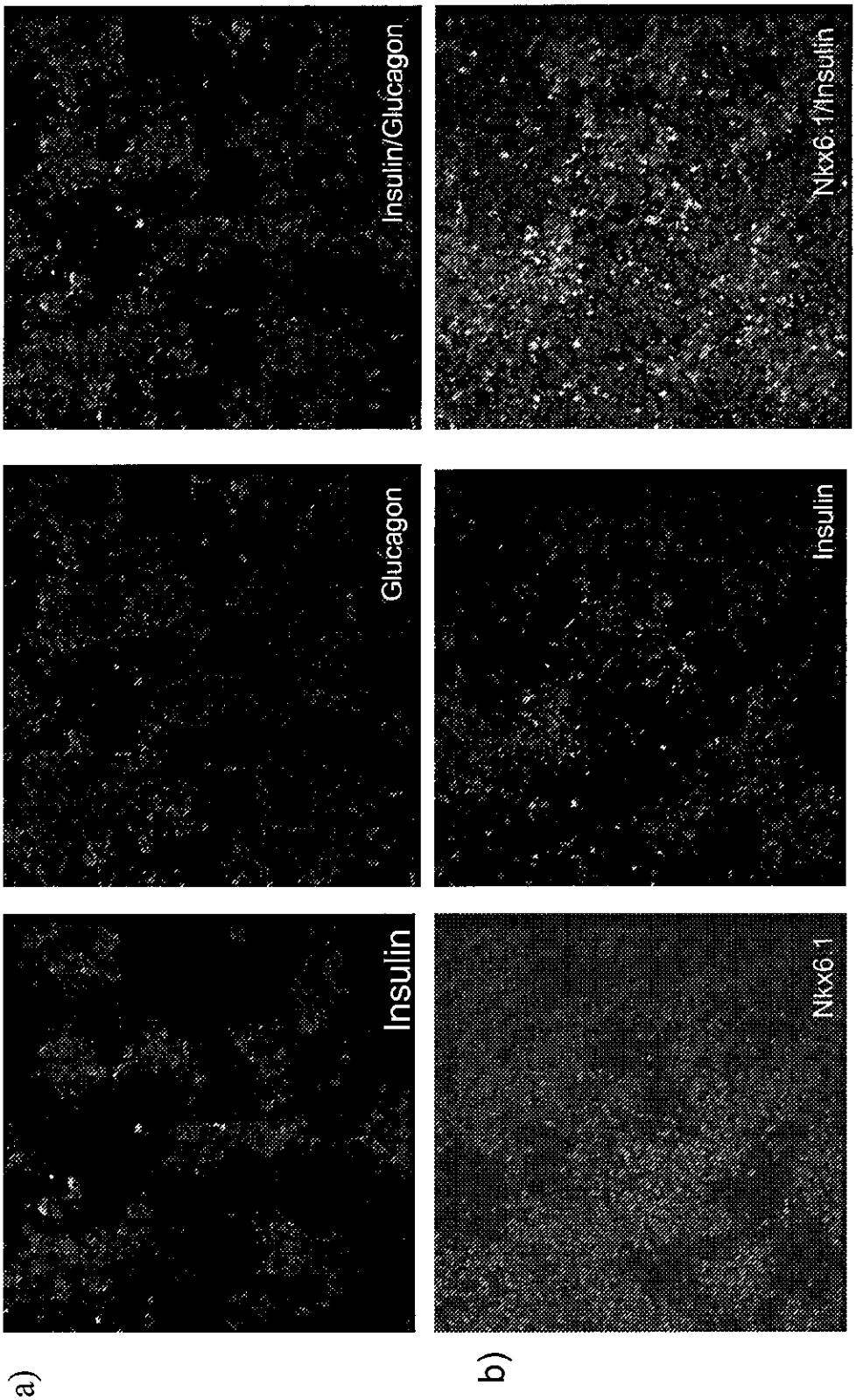


Figure 7

CEN5260WOPCT: Jean Xu -DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS

Figure 8.



CEN5260WOPCT: Jean Xu -DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS

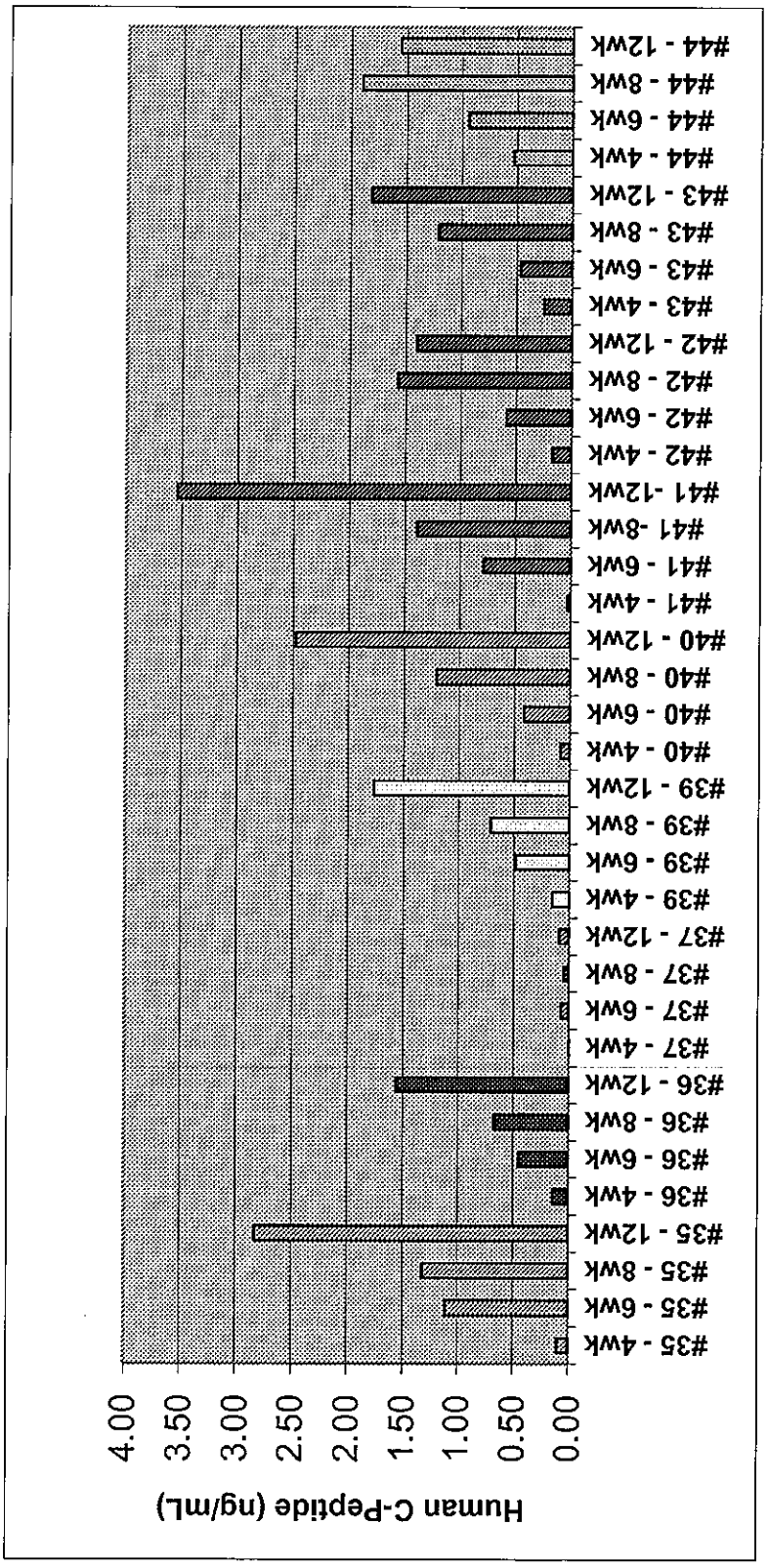
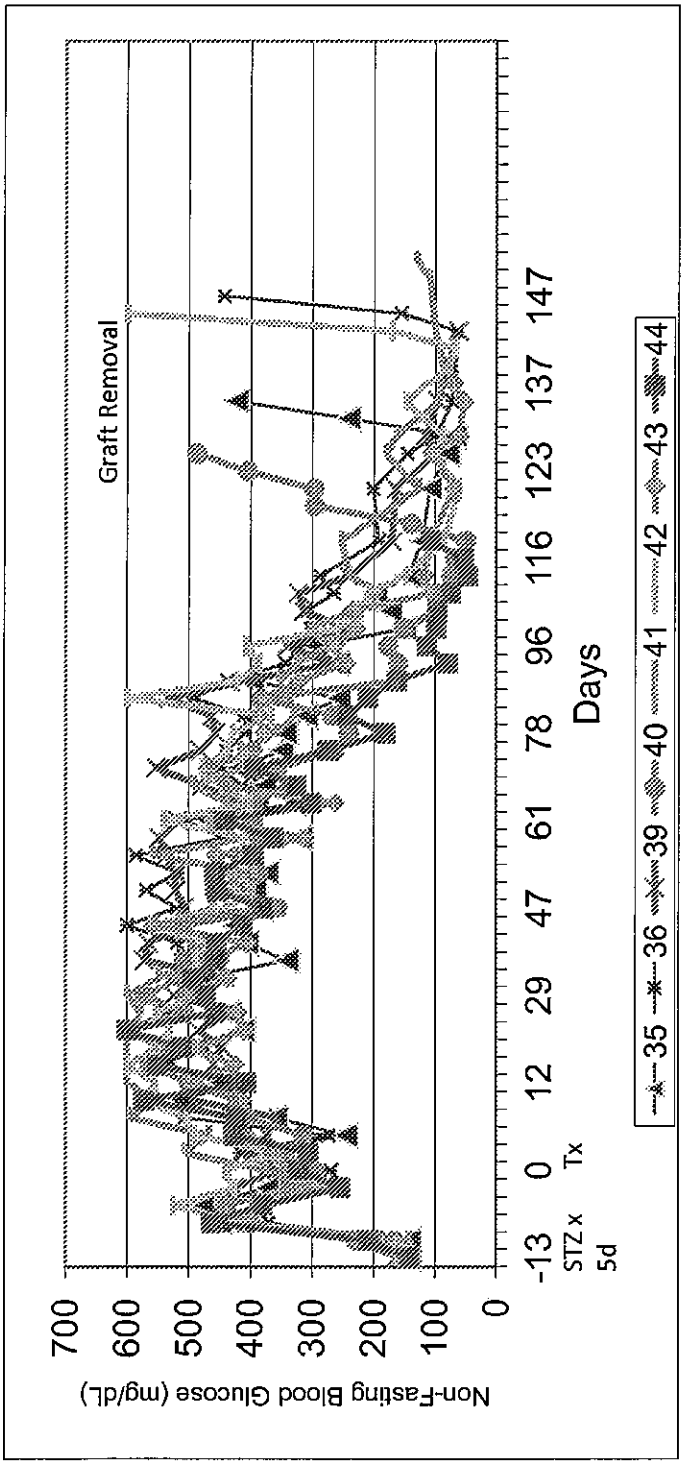


Figure 9a.

CEN5260WOPCT: Jean Xu -DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS

Figure 9b.



CEN5260WOPCT: Jean Xu -DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS