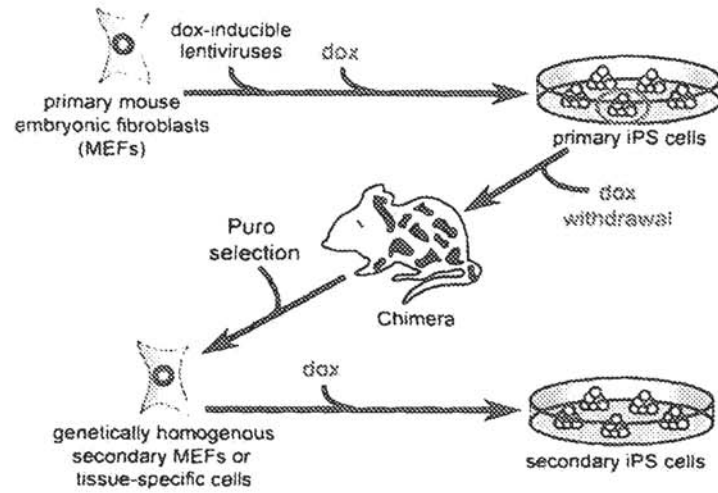
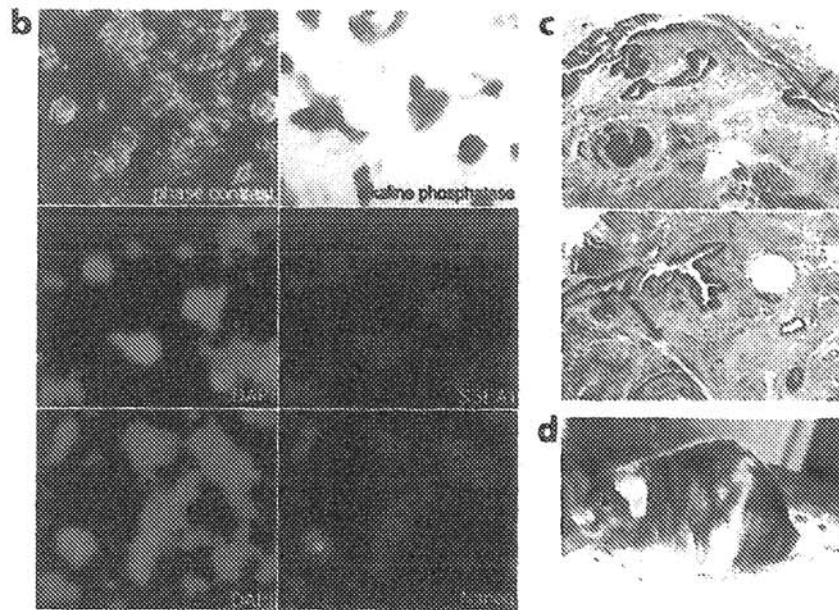


a

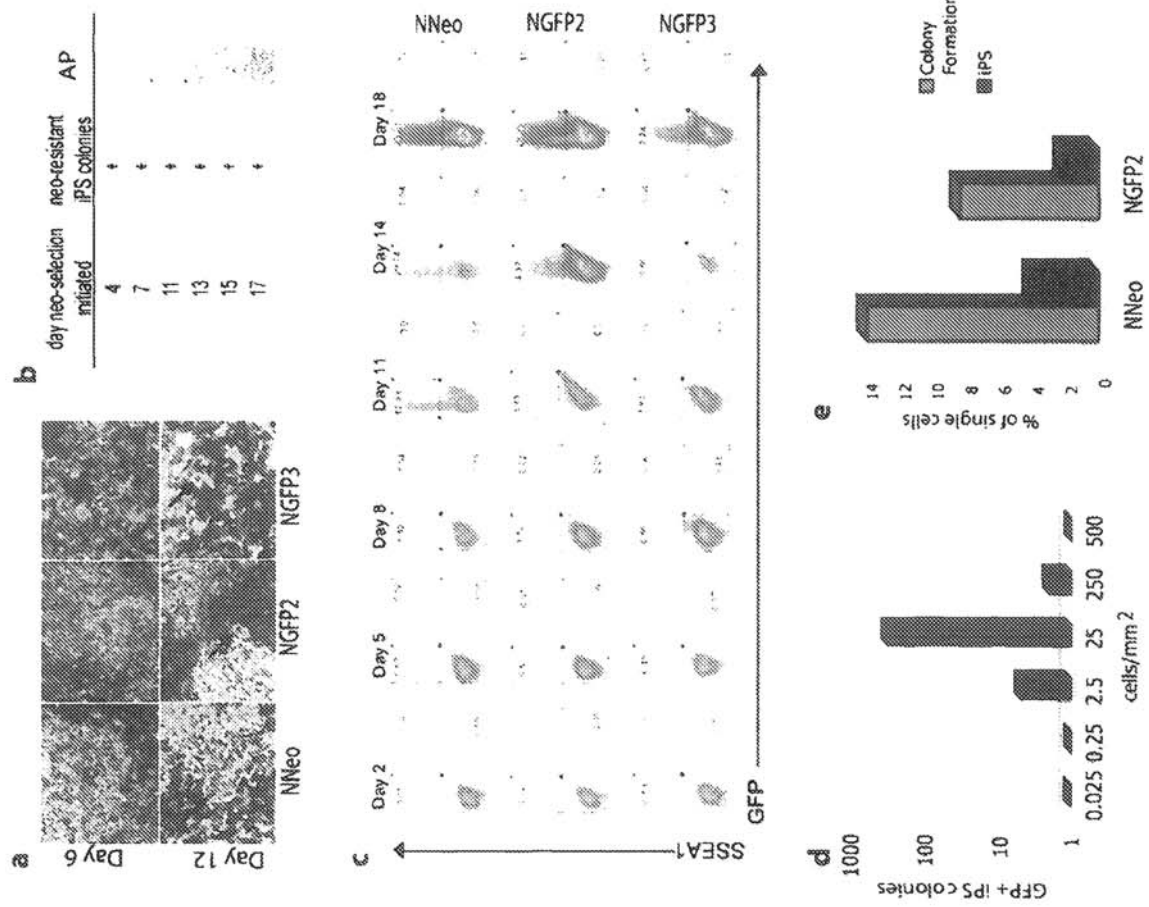
Background of MEFs used for primary infections:

Nanog-neo MEFs: Rosa26-rtTA/ pgk-puro
Collagen1A1-1e10-Oct4
Nanog-neo

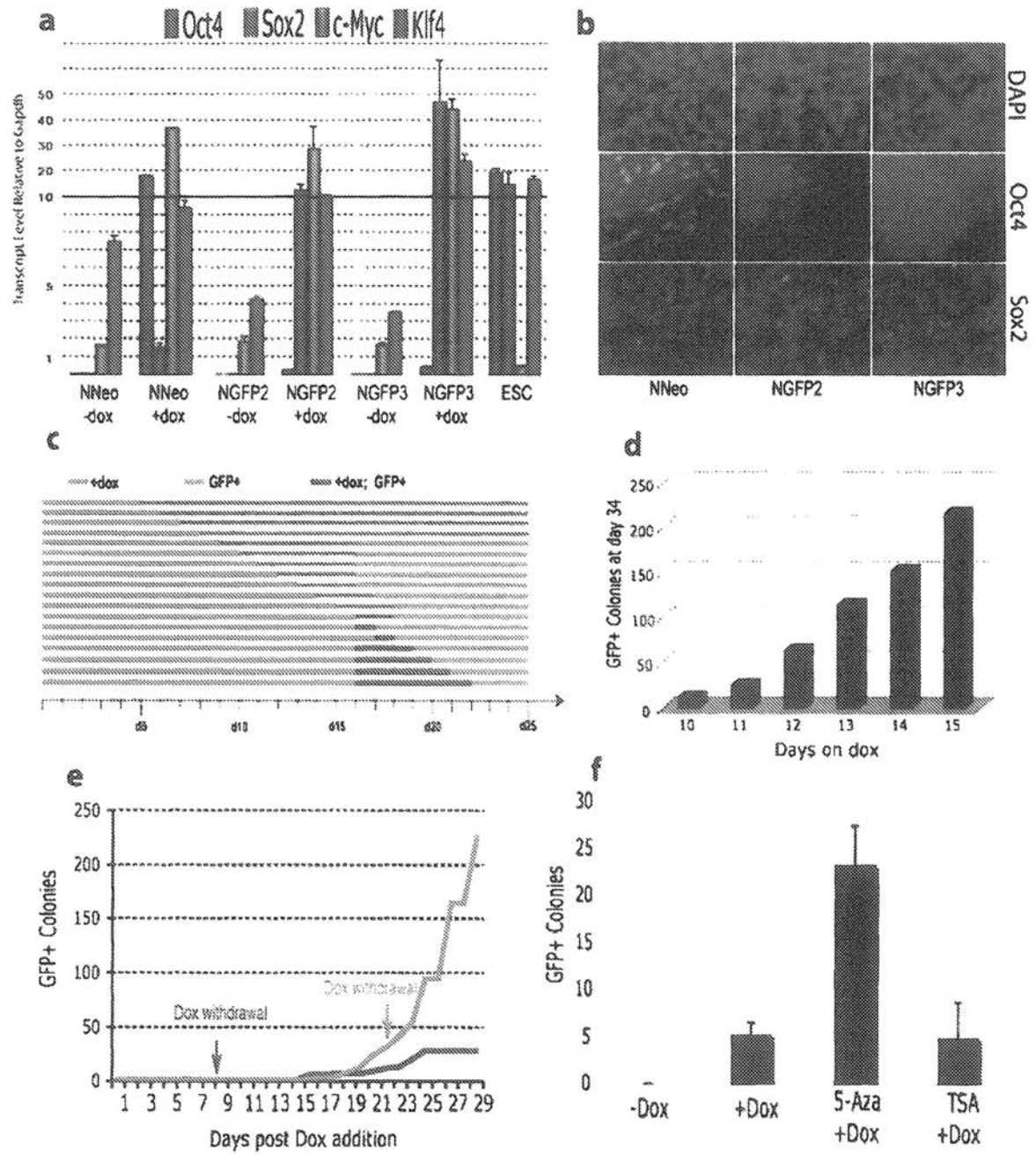
Nanog-GFP MEFs: Rosa26-rtTA/ pgk-puro
Nanog-GFPiresPuro



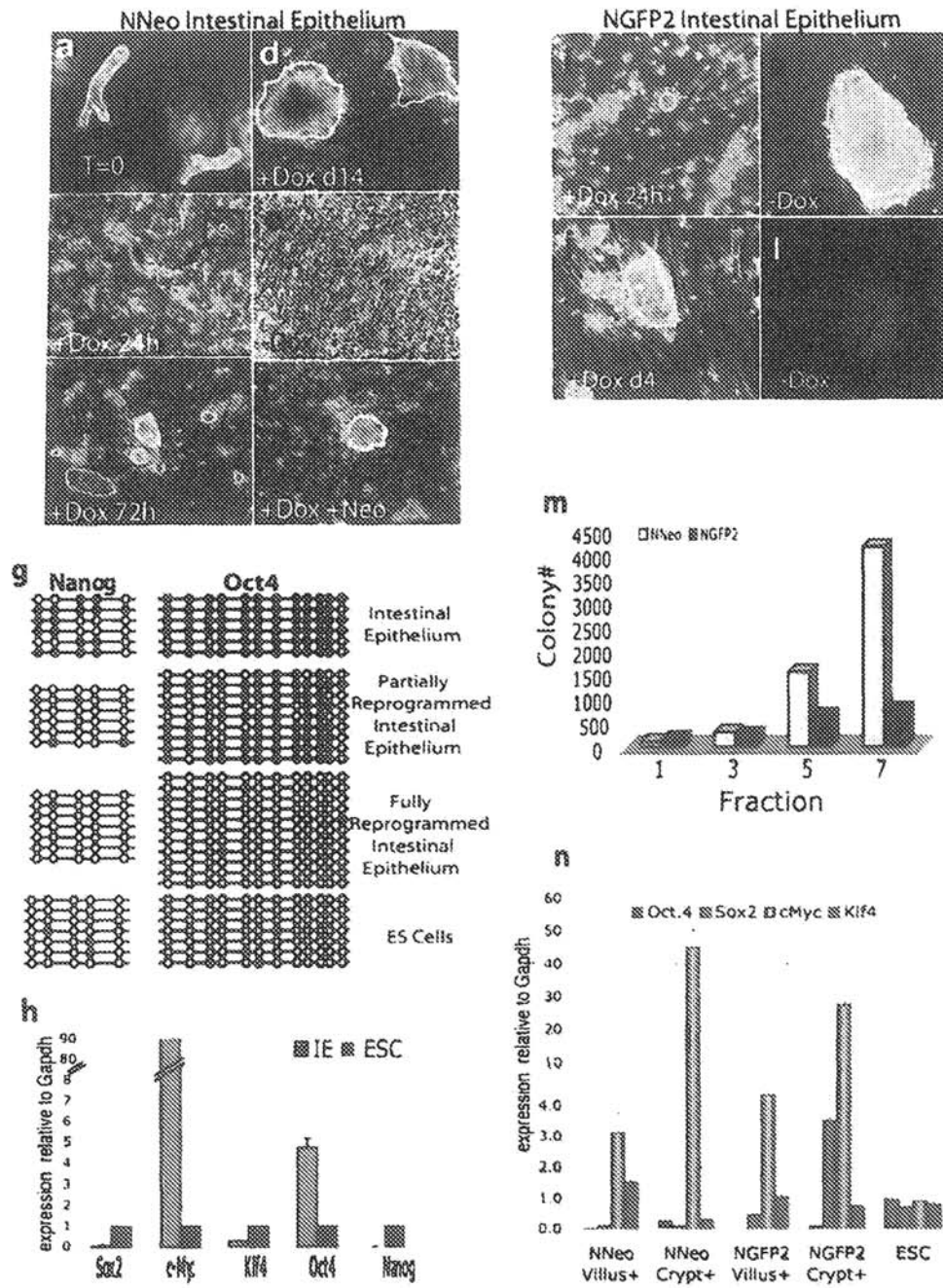
Figs. 1A-AD



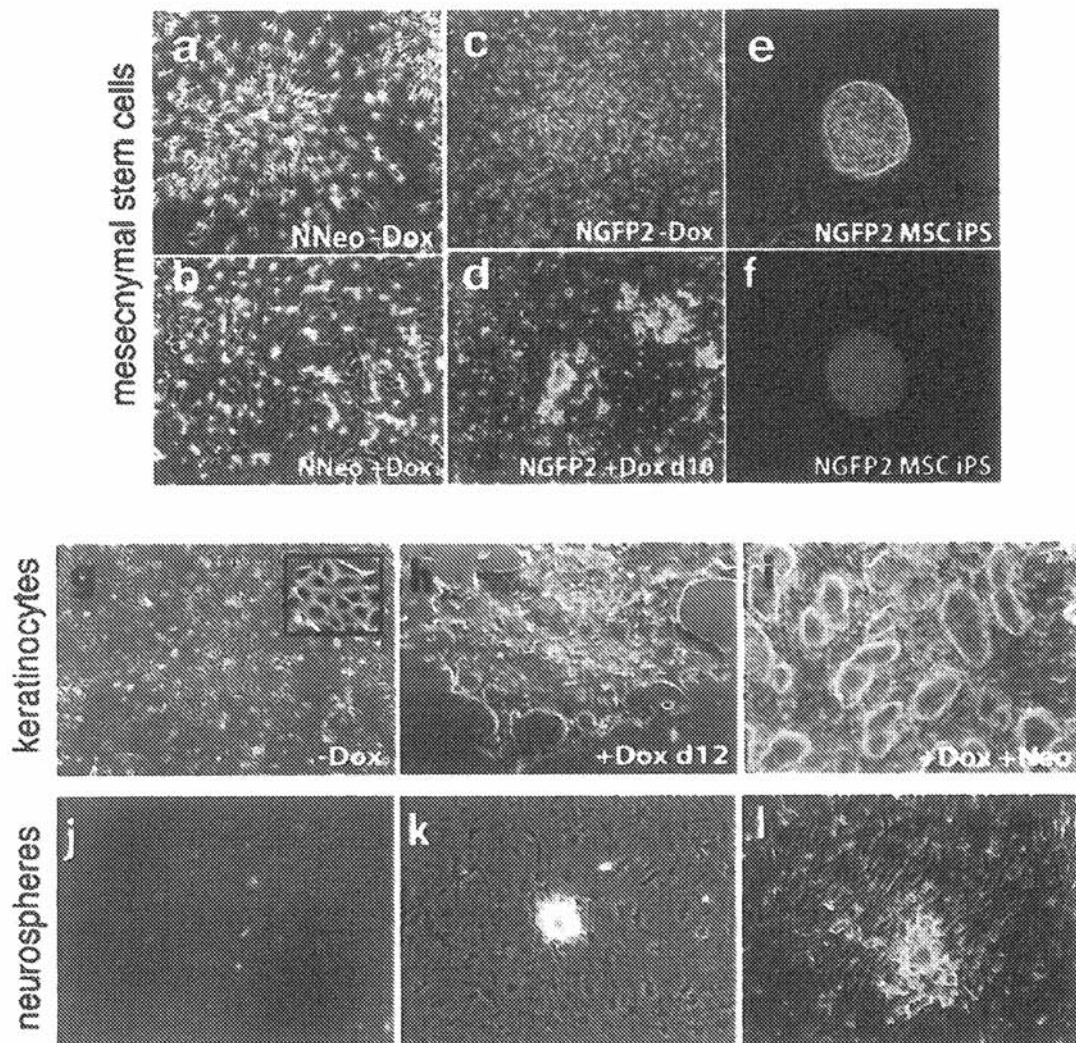
Figs. 2A-2E



Figs. 3A-3F

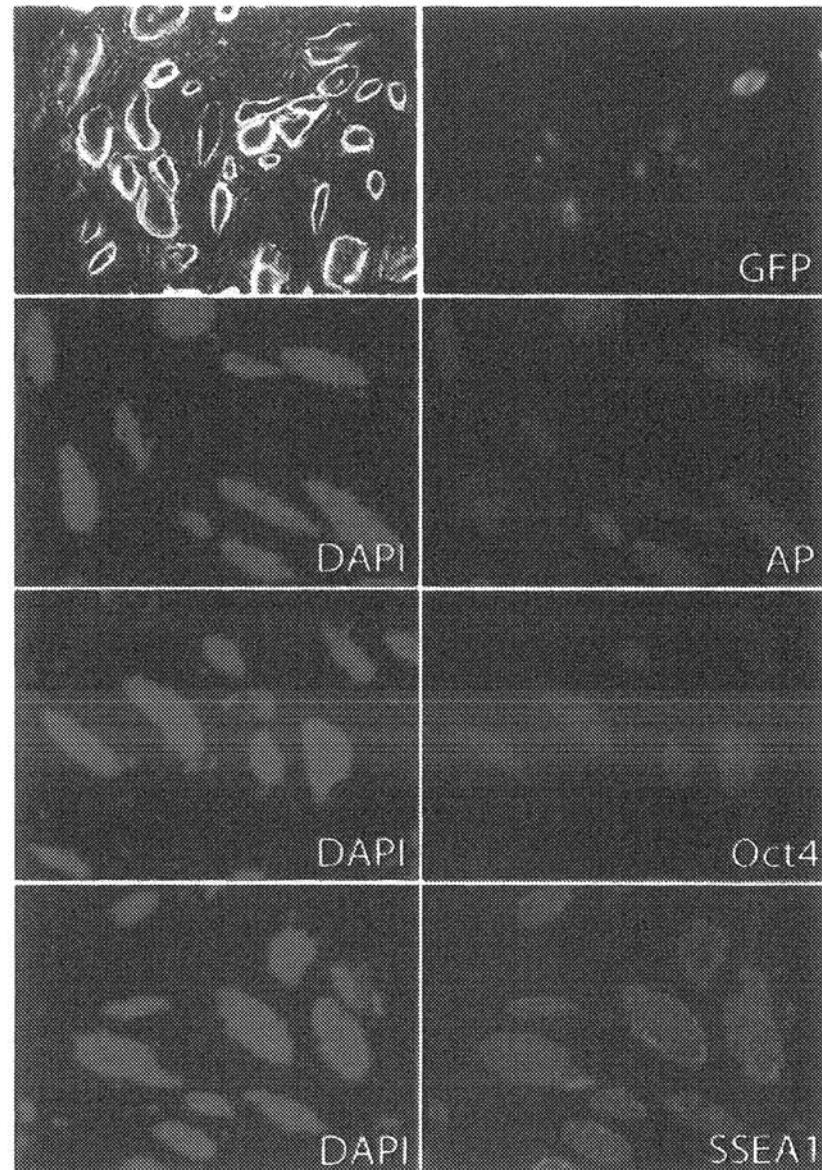


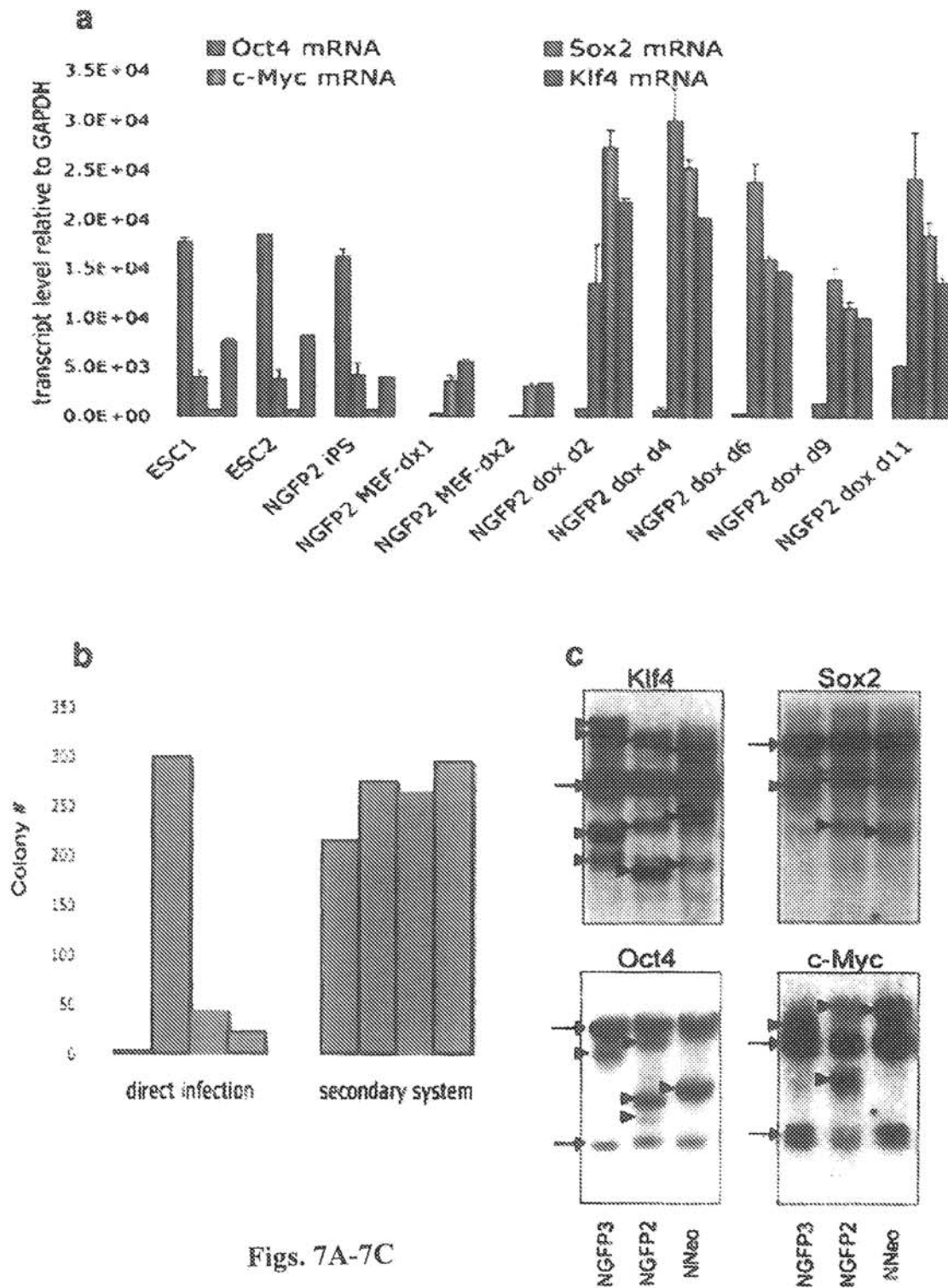
Figs. 4A-4N



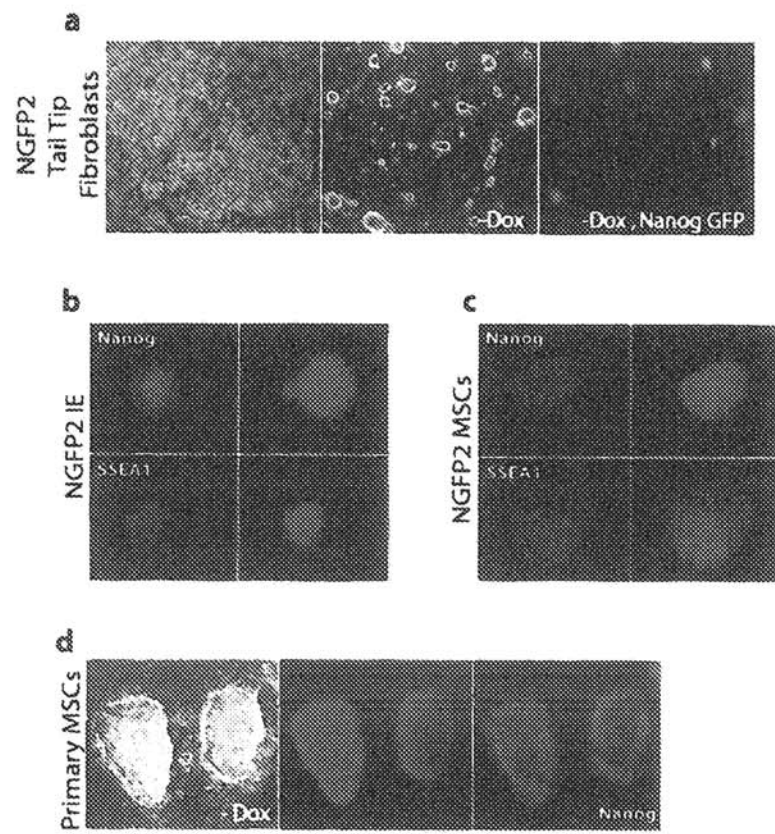
Figs. 5A-5L

Fig. 6

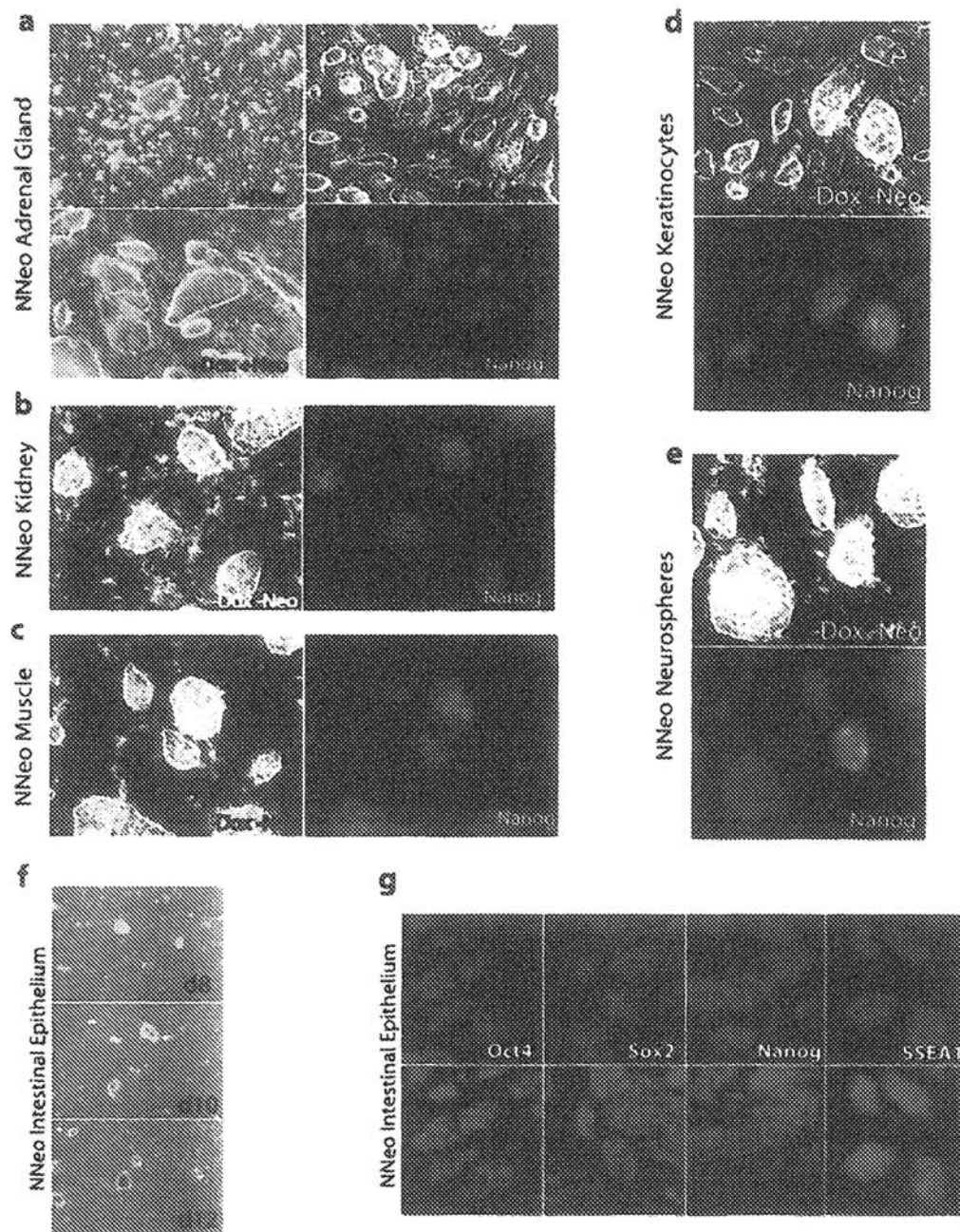


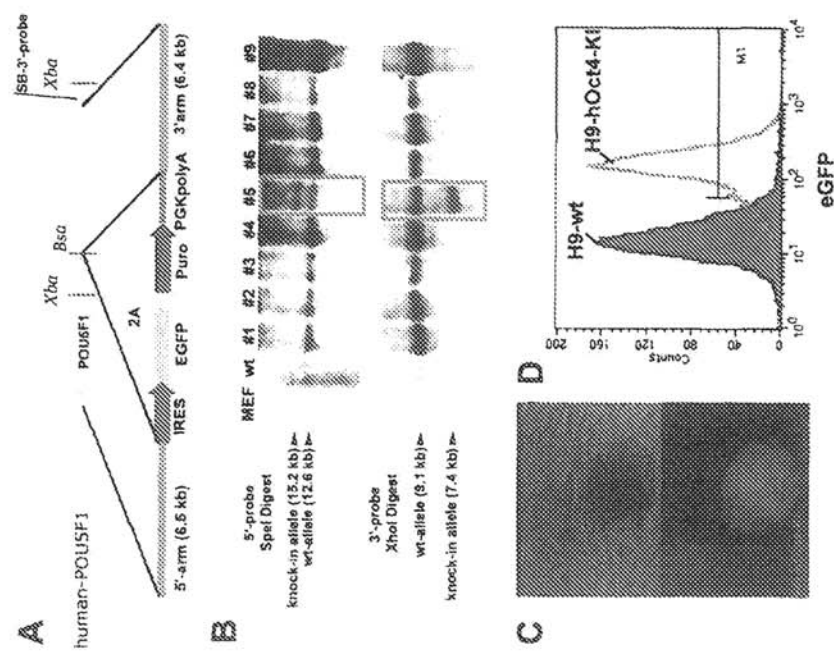


Figs. 7A-7C

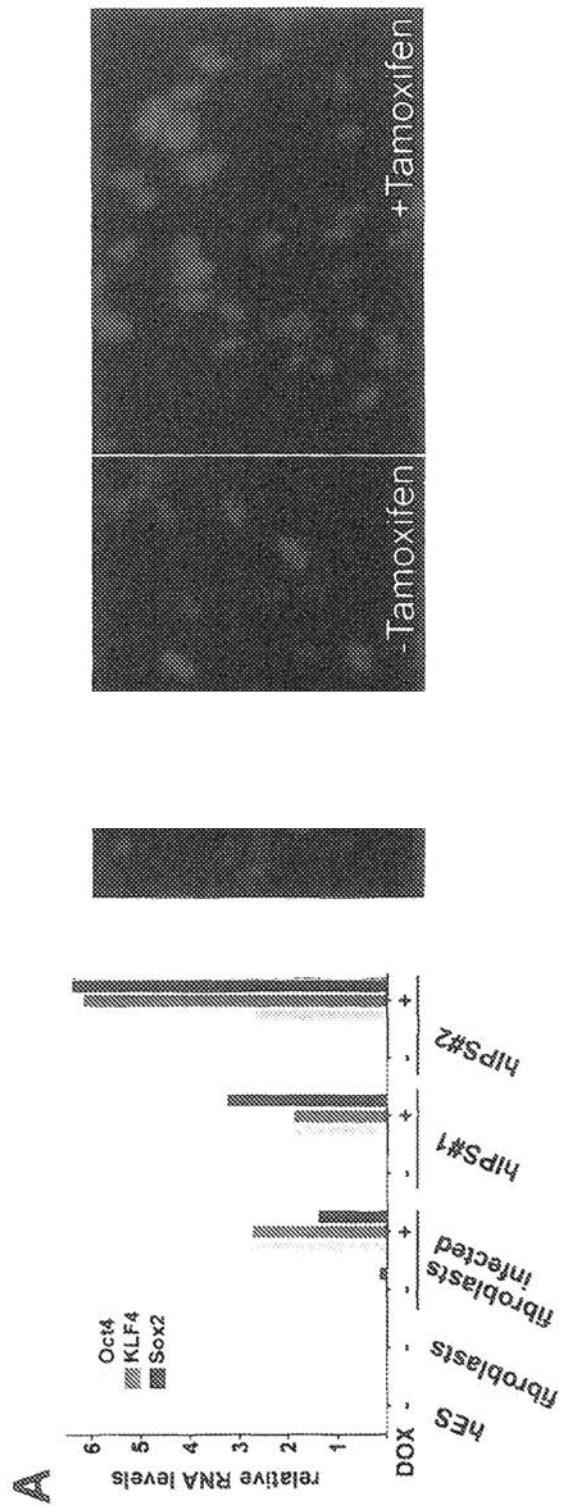


Figs. 8A-8D

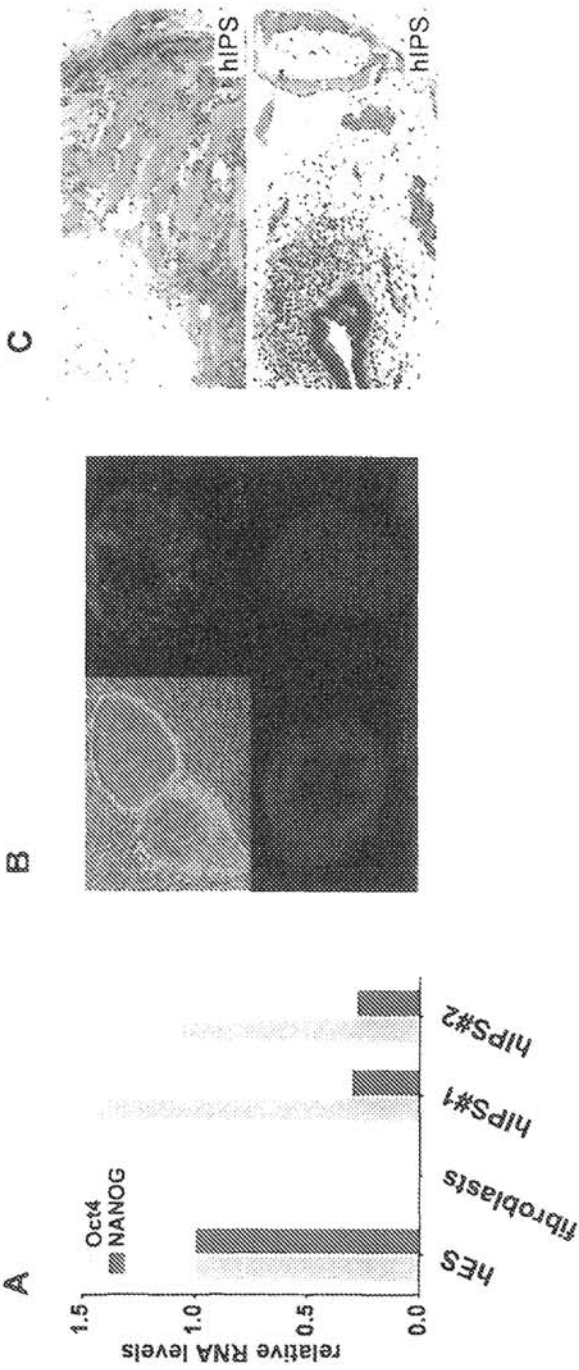




Figs. 10A-10D



Figs. 11A-11B



Figs. 12A-12C

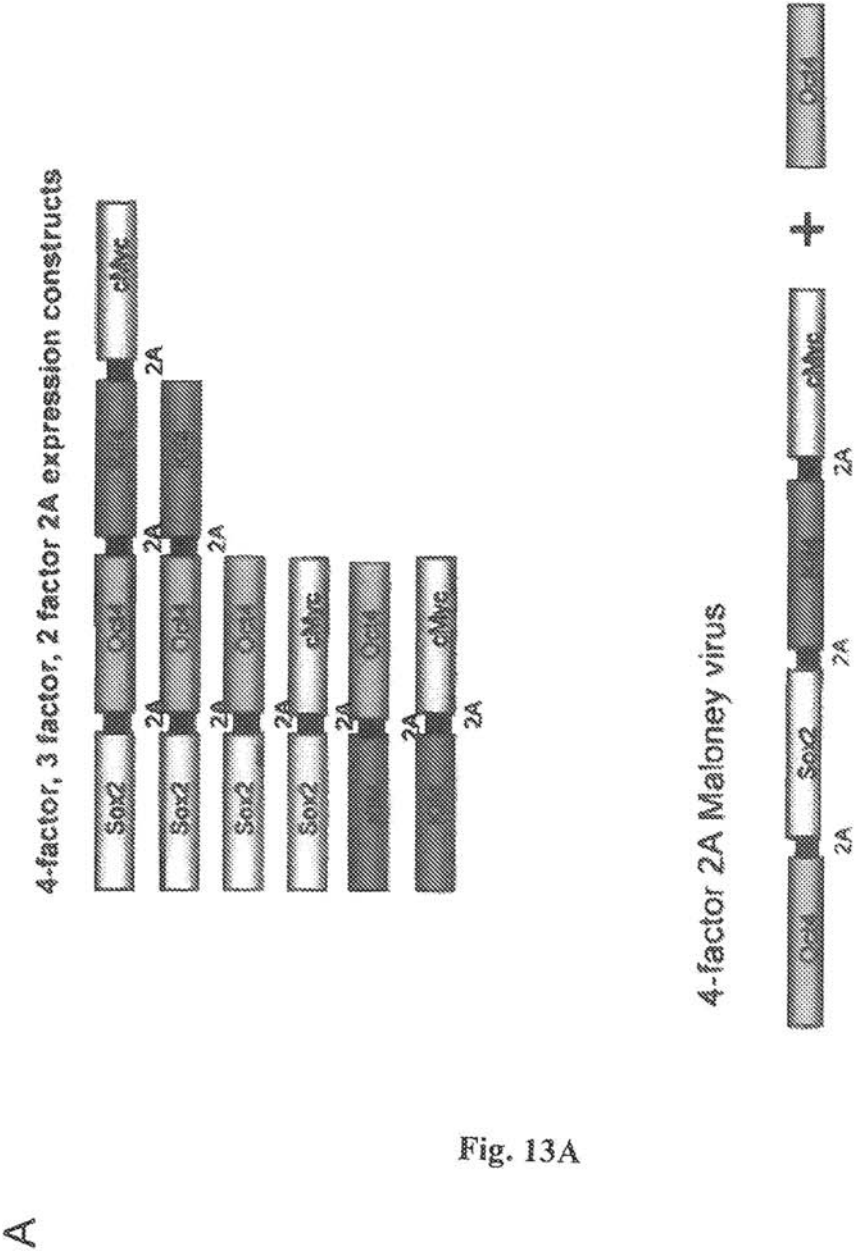


Fig. 13A

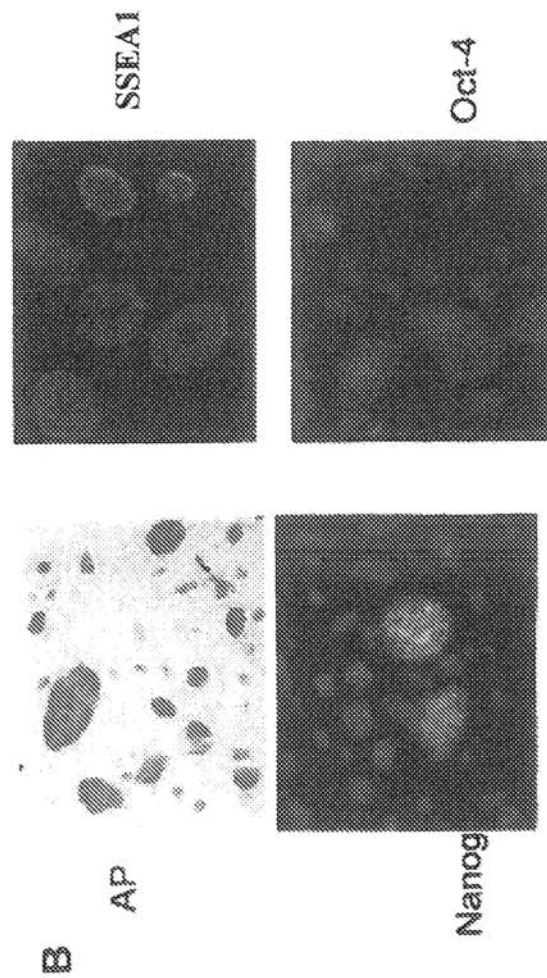


Fig. 13B

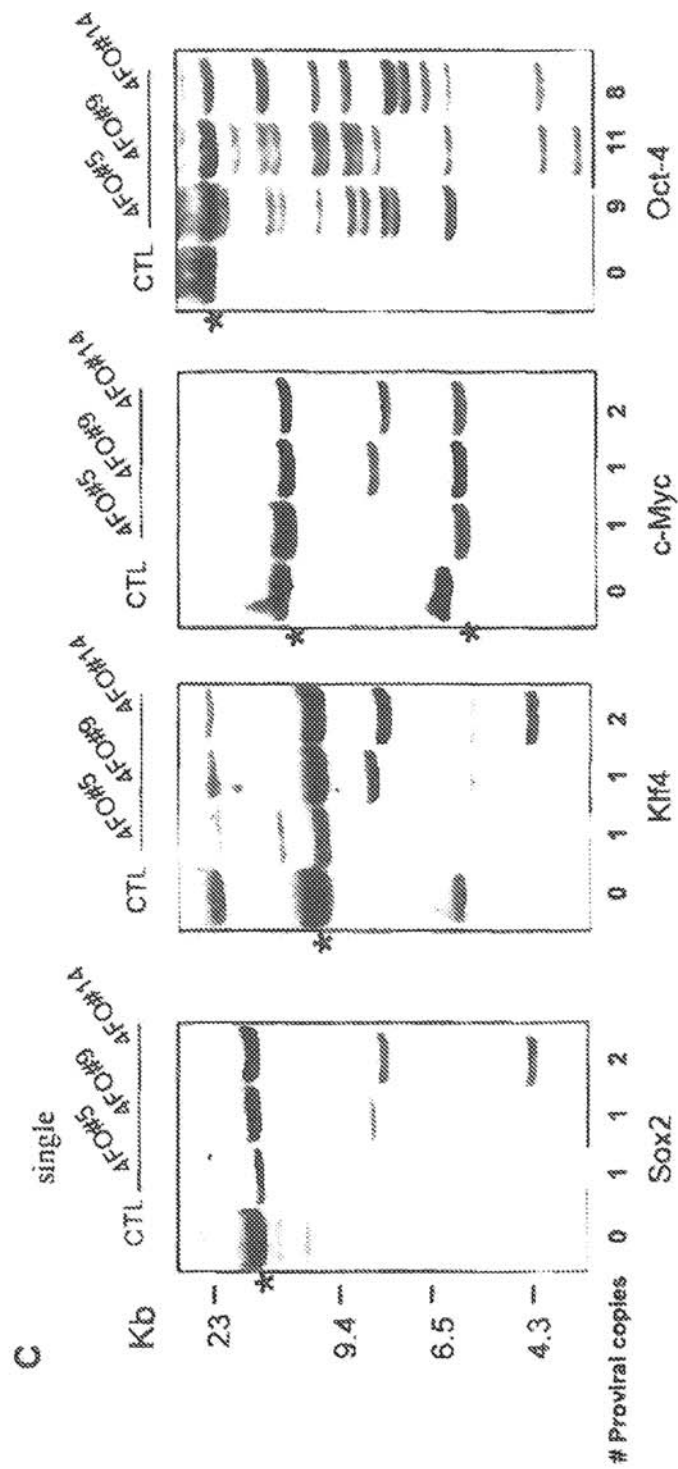
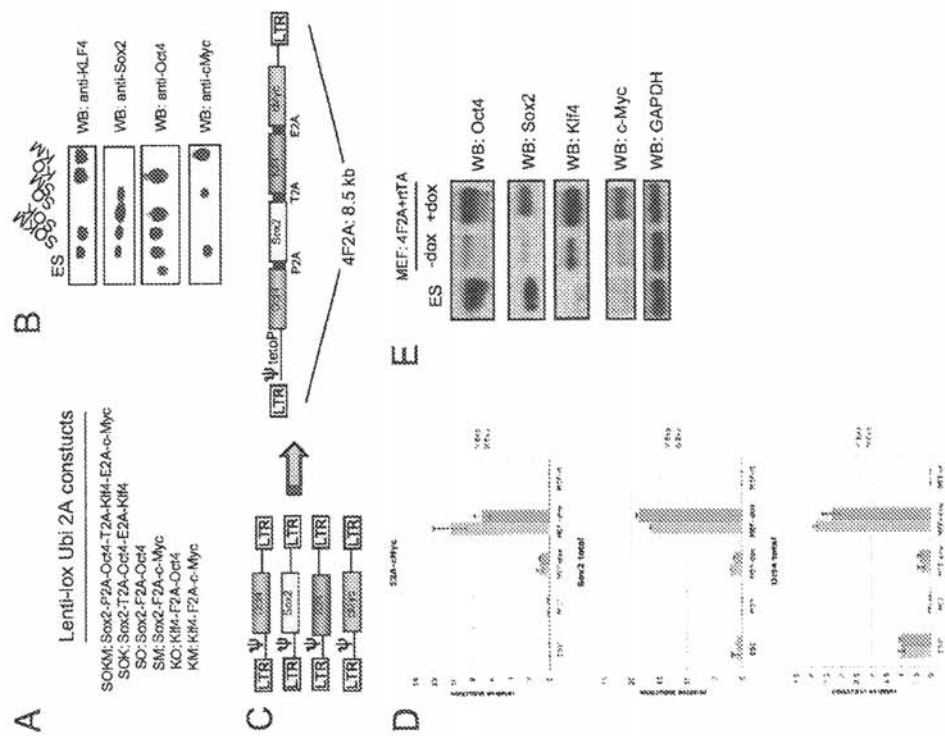


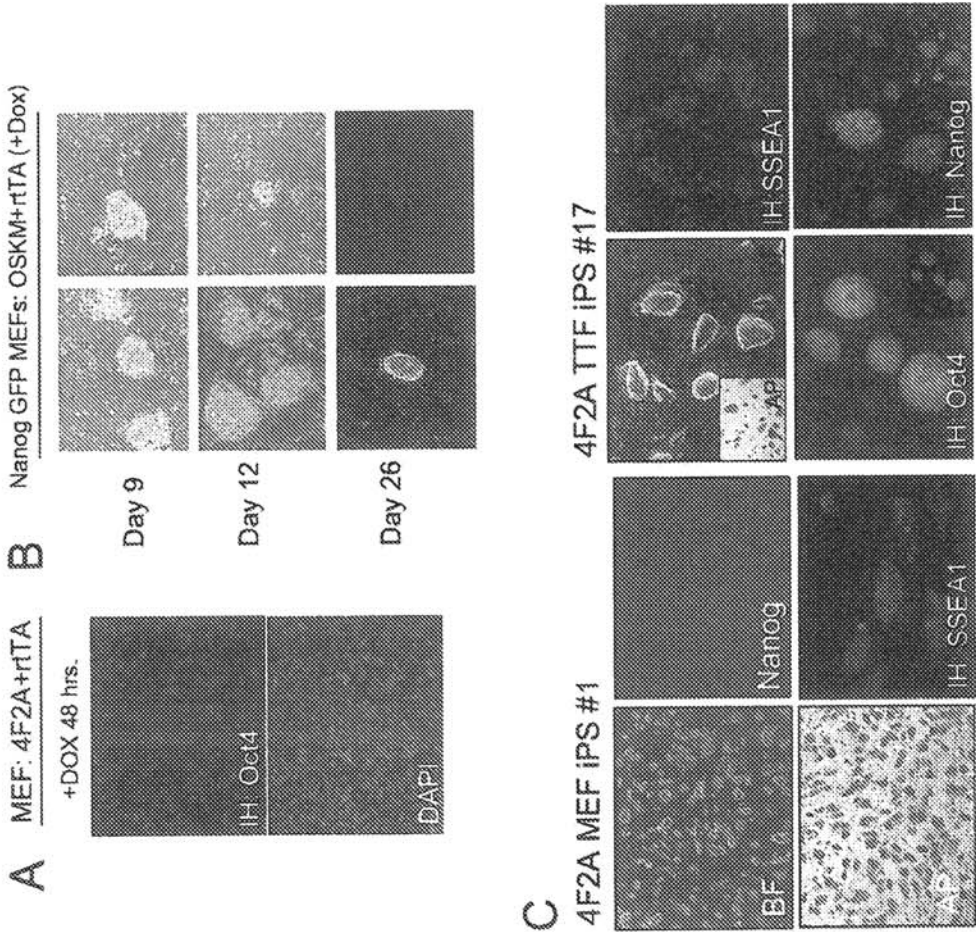
Fig. 13C

Generation of murine IPS cells using a single 4F2A polycistronic virus



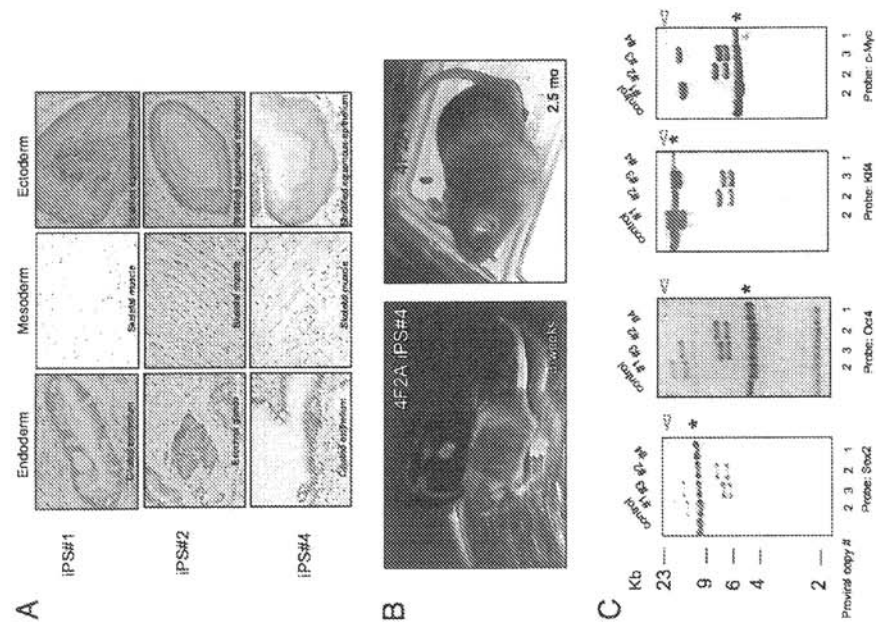
Figs. 14A-14E

4F2A iPS cells express pluripotency markers

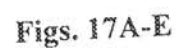


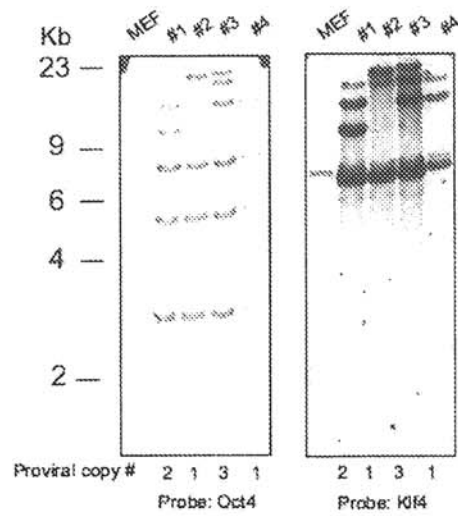
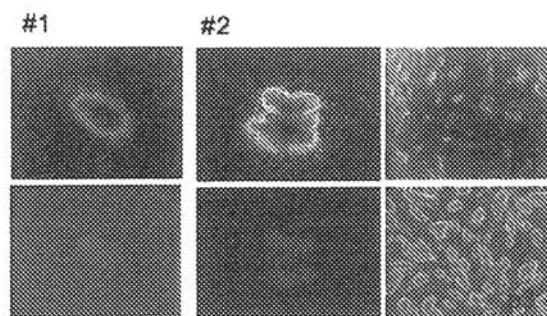
Figs. 15A-15C

4F2A iPS cells are pluripotent and contain between 1 and 3 proviral integrations

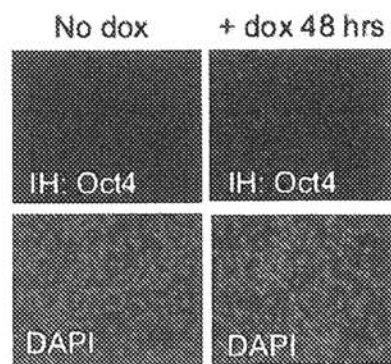


Figs. 16A-16C



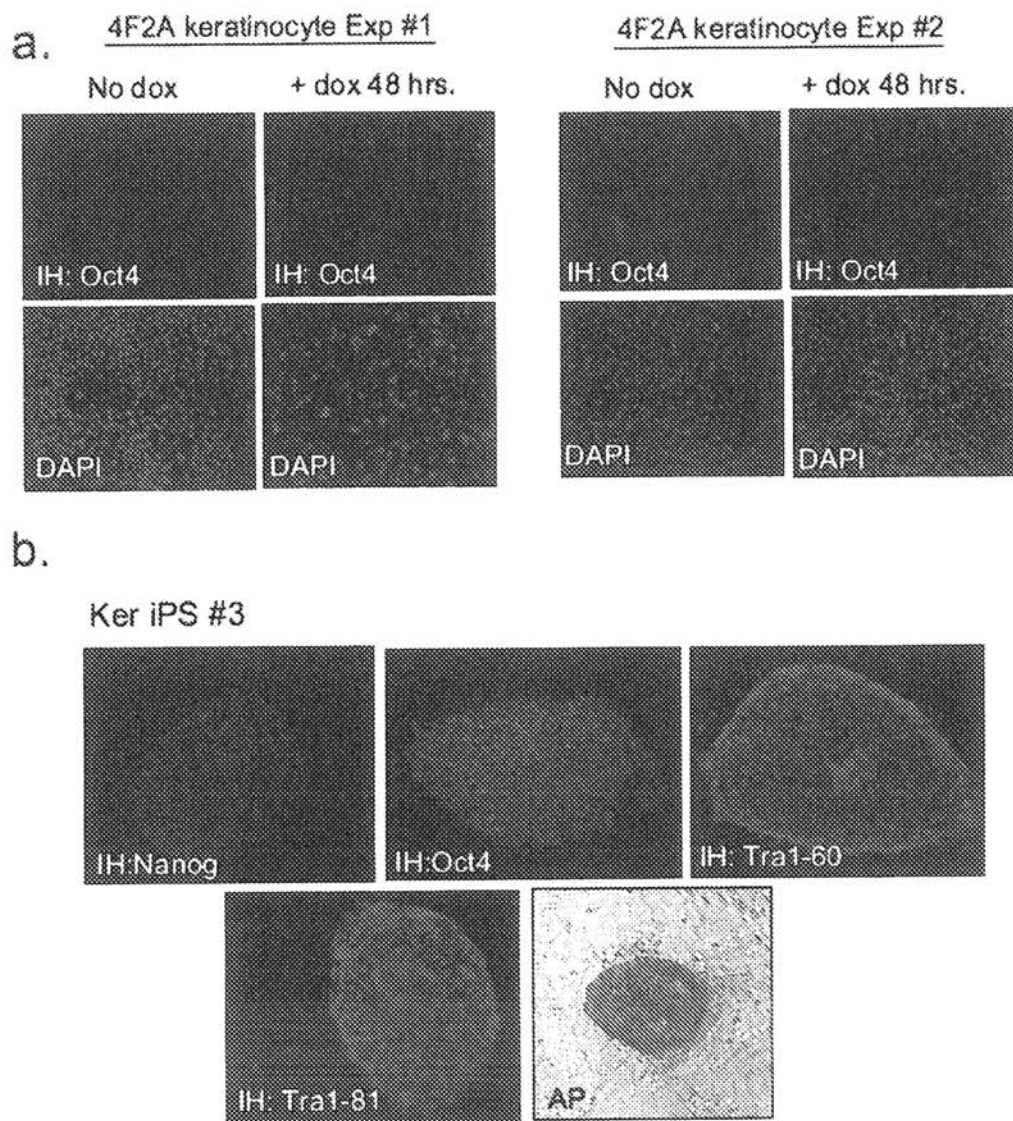
a. XbaI digest**b.**8 days of DOX exposure**Figs. 18A-18B**

MEF exp #2: 4F2A relative

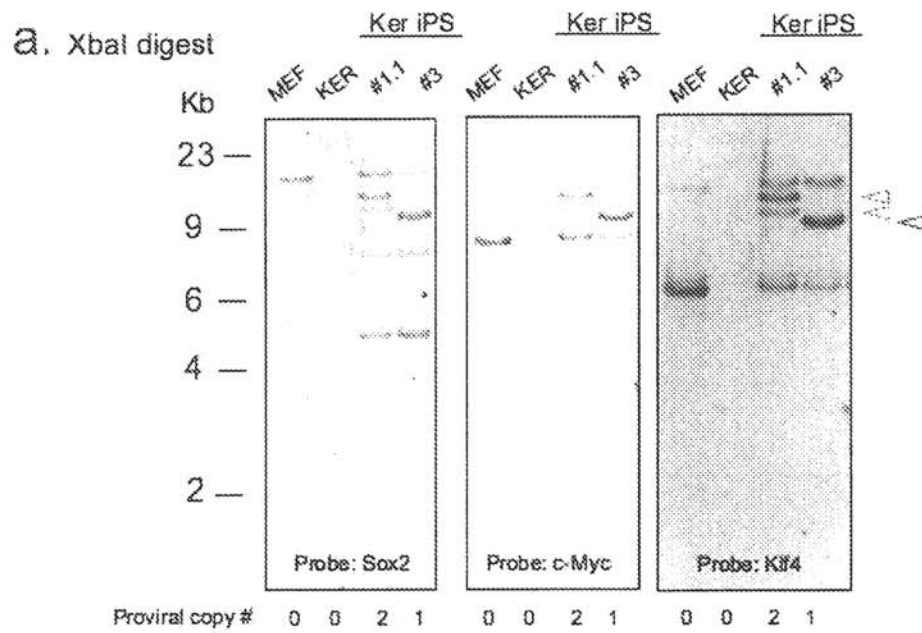


250,000 x 70% infection = 175,000
12.5 GFP + colonies/ 175,000 = ~ 0.0001%

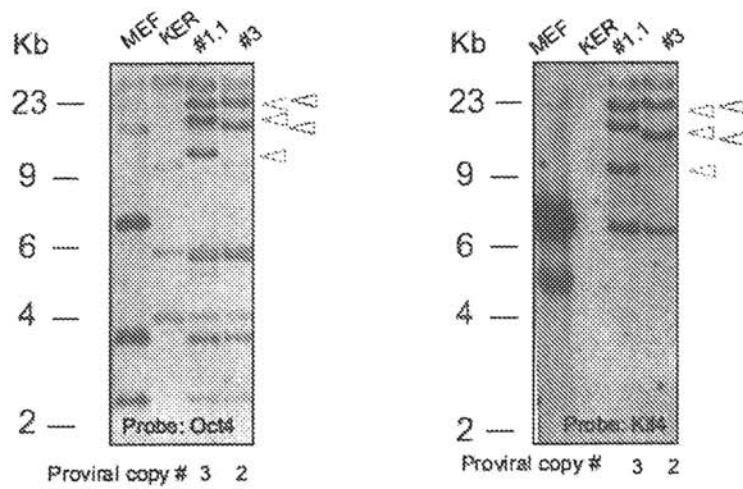
Fig. 19



Figs. 20A-20B



b. BamHI digest



Figs. 21A-21B

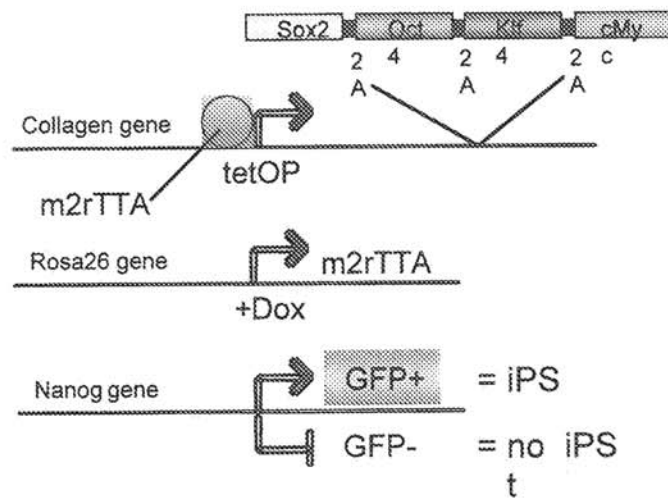
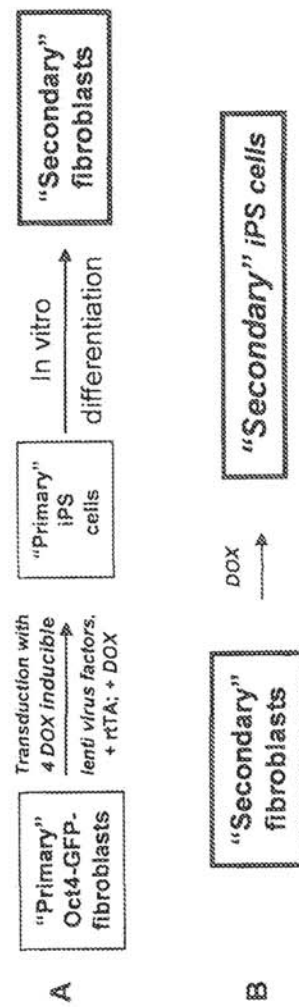
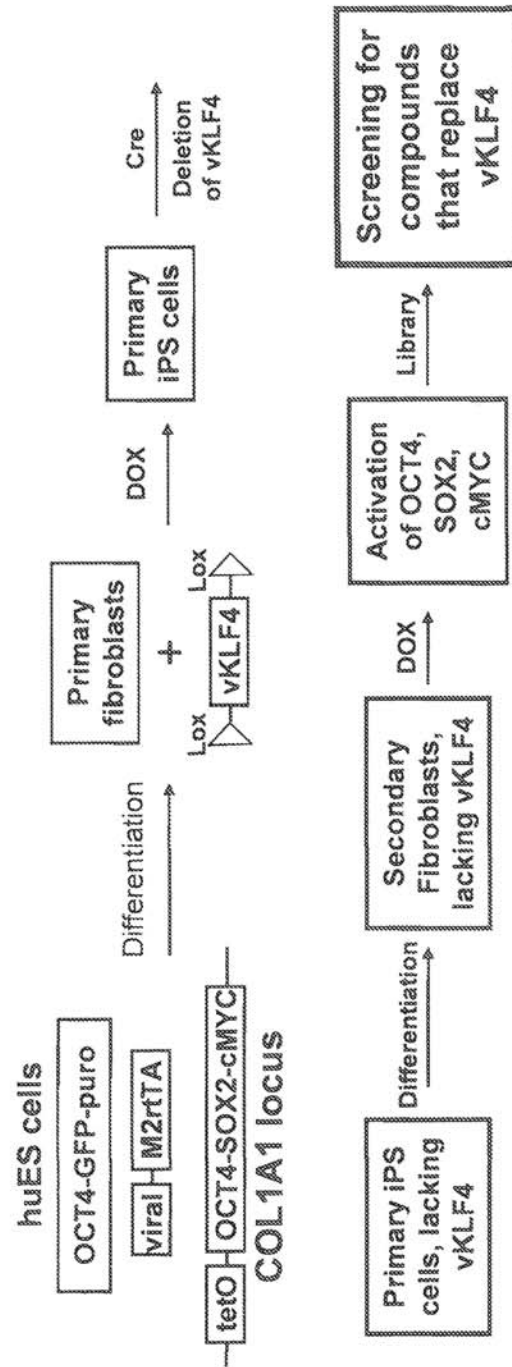


Fig. 22



Figs. 23A-23B



Activation of GFP serves as screen for (i) small molecules, (ii) insertional activation of endogenous gene or (iii) transient transfection to replace KLF4

Fig. 24

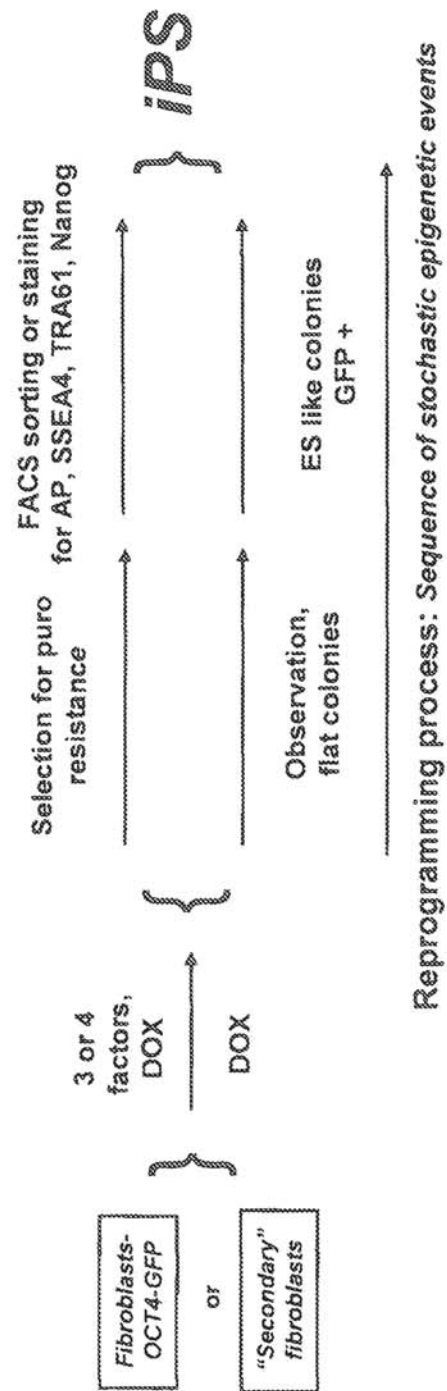


Fig. 25

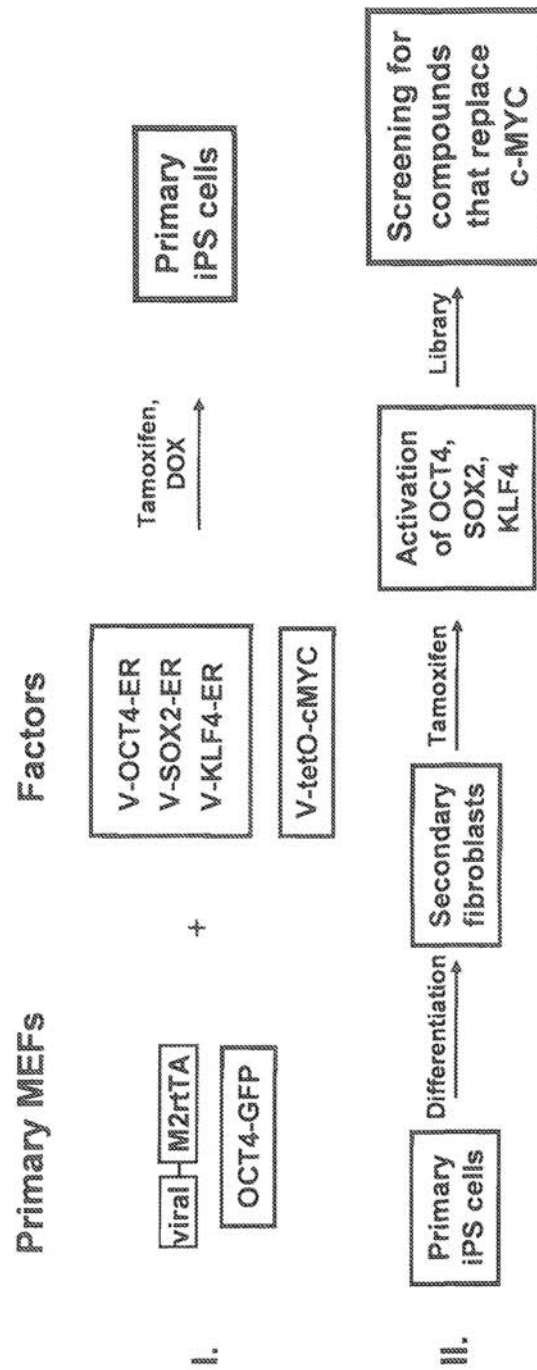
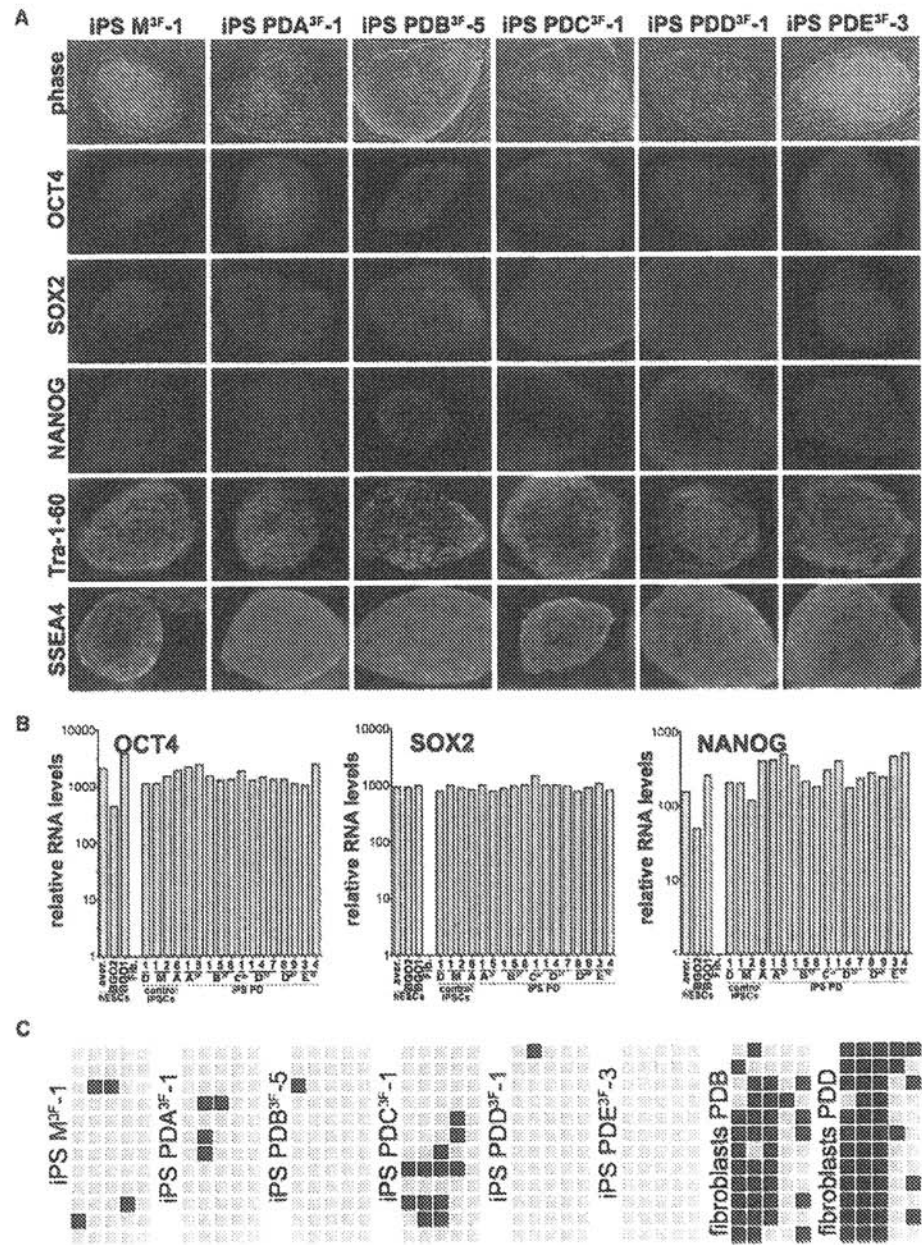
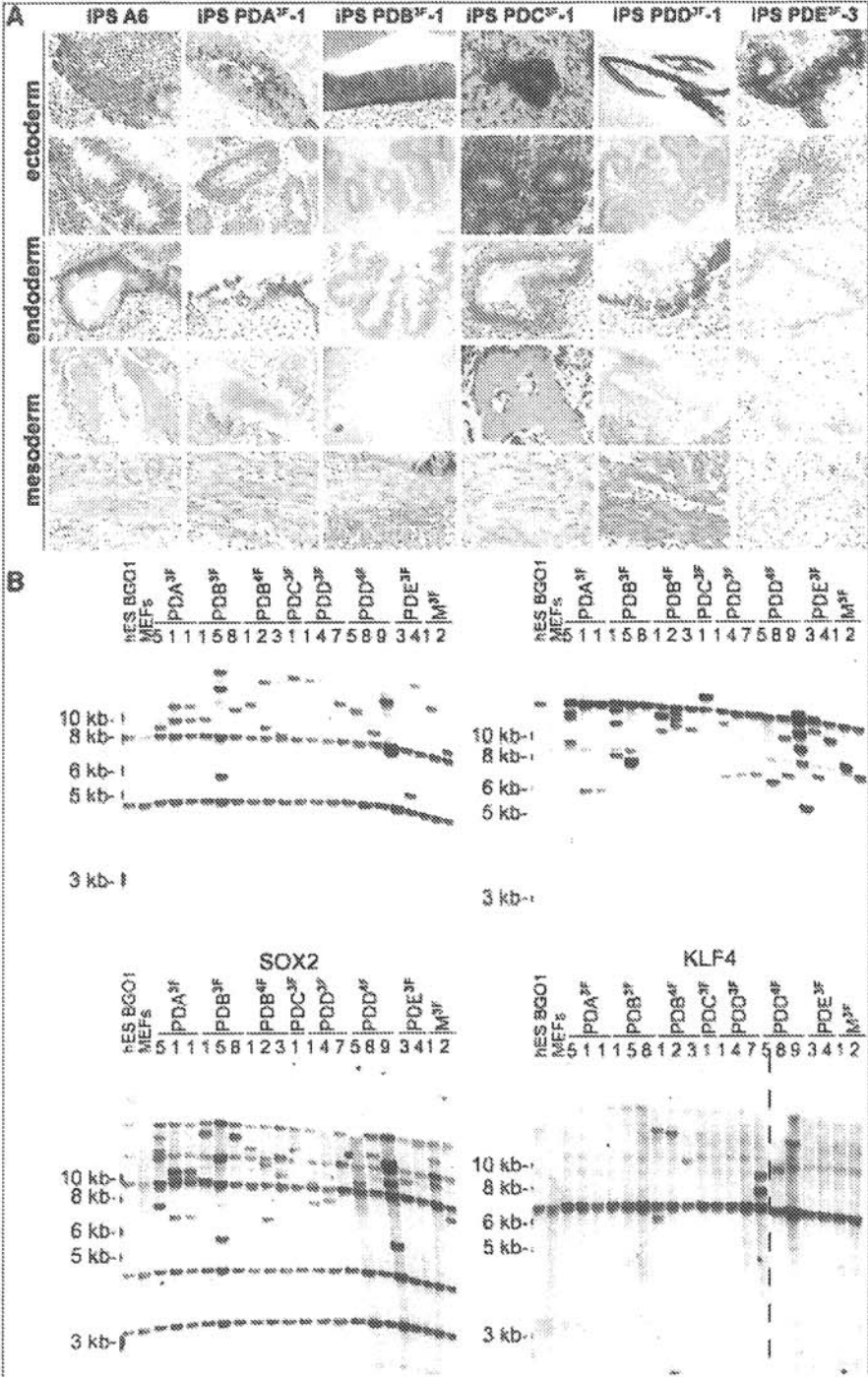


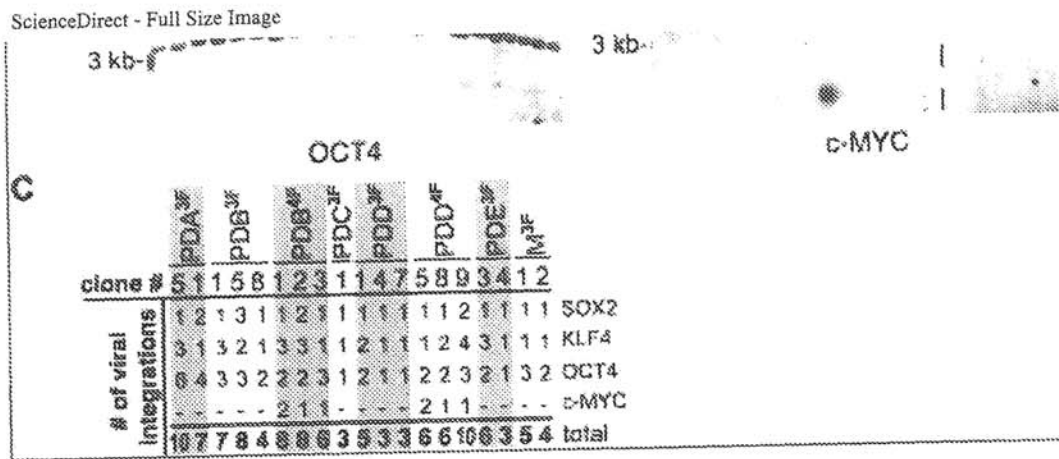
Fig. 26



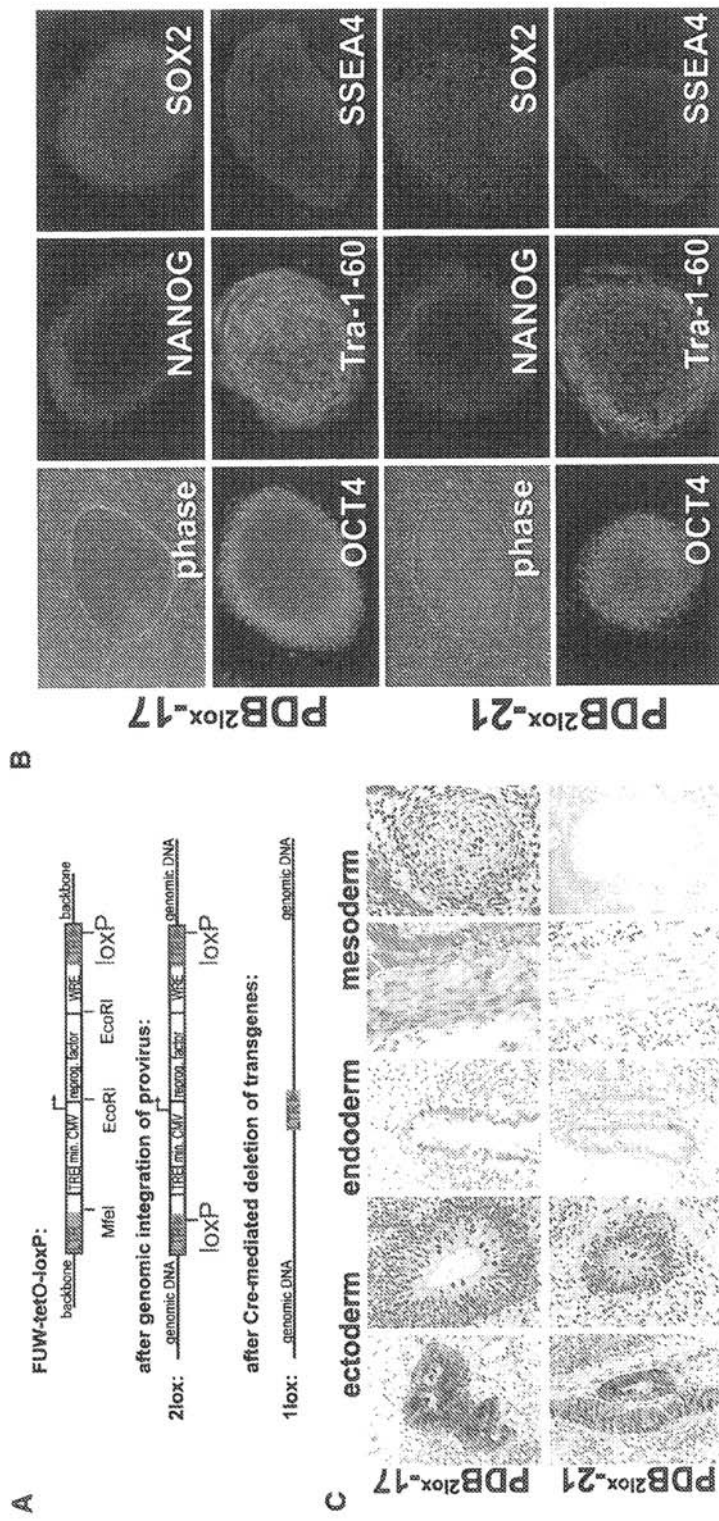
Figs. 27A-27C



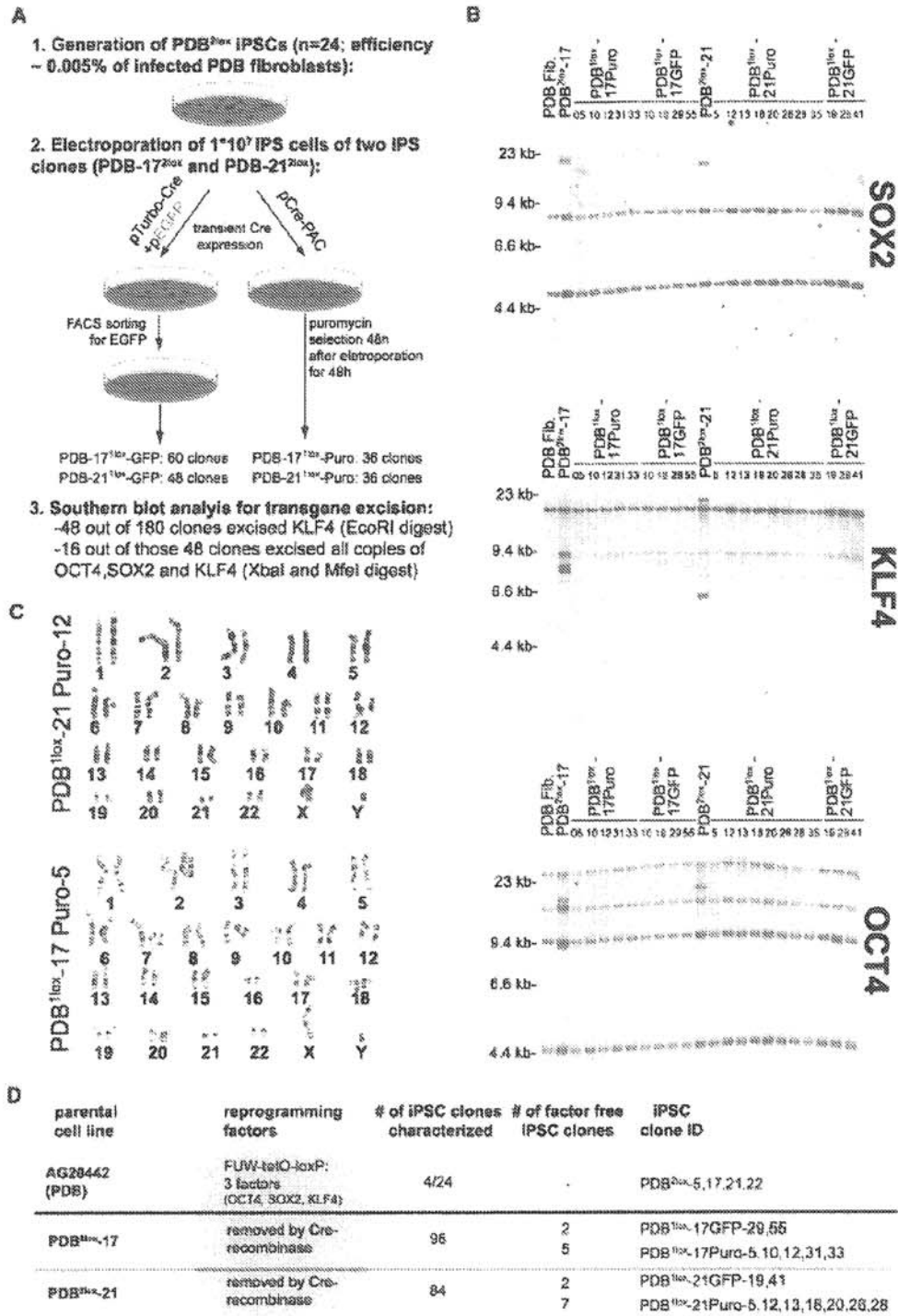
Figs. 28A-28B



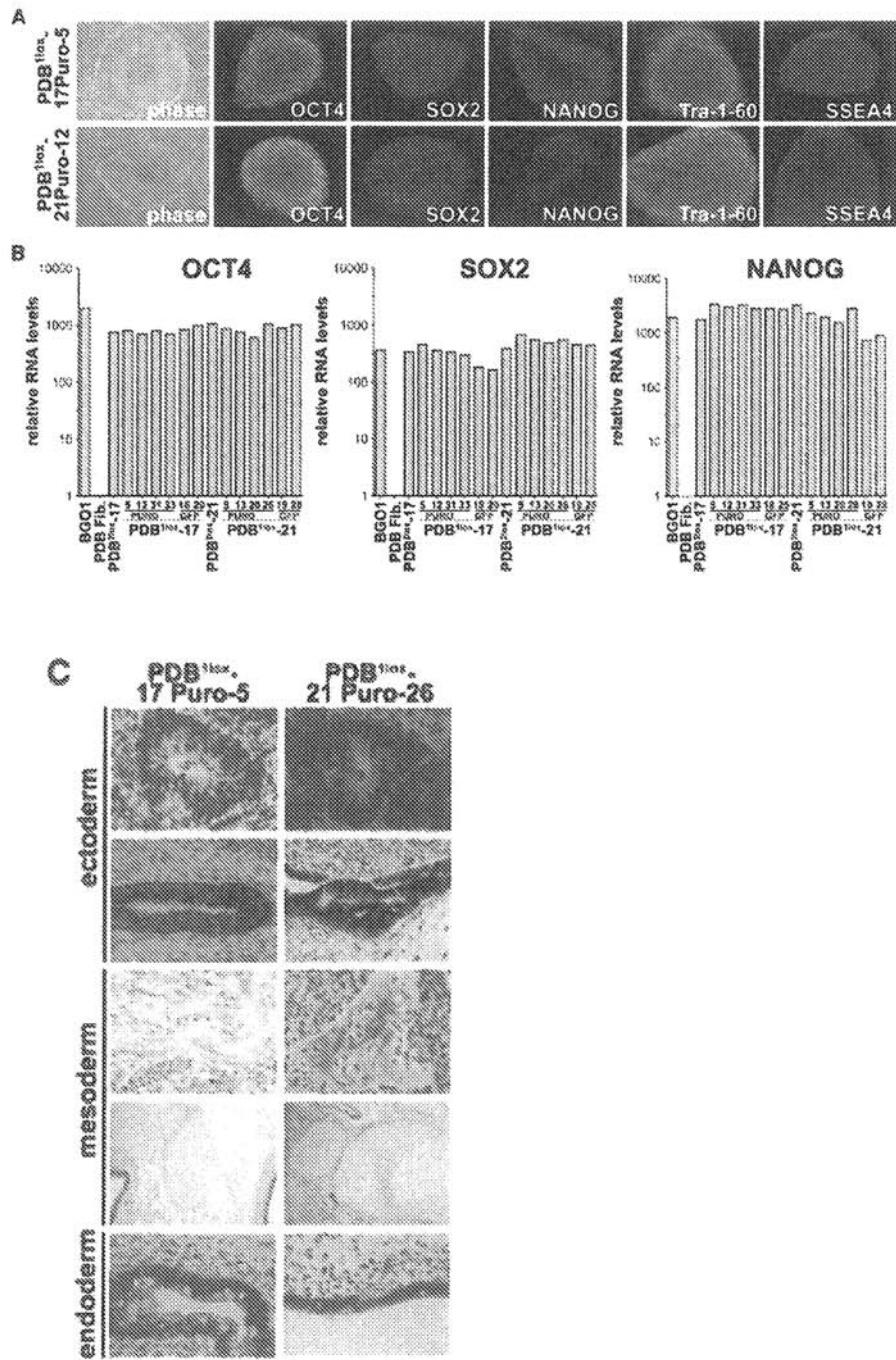
Figs. 28C



Figs. 29A-C

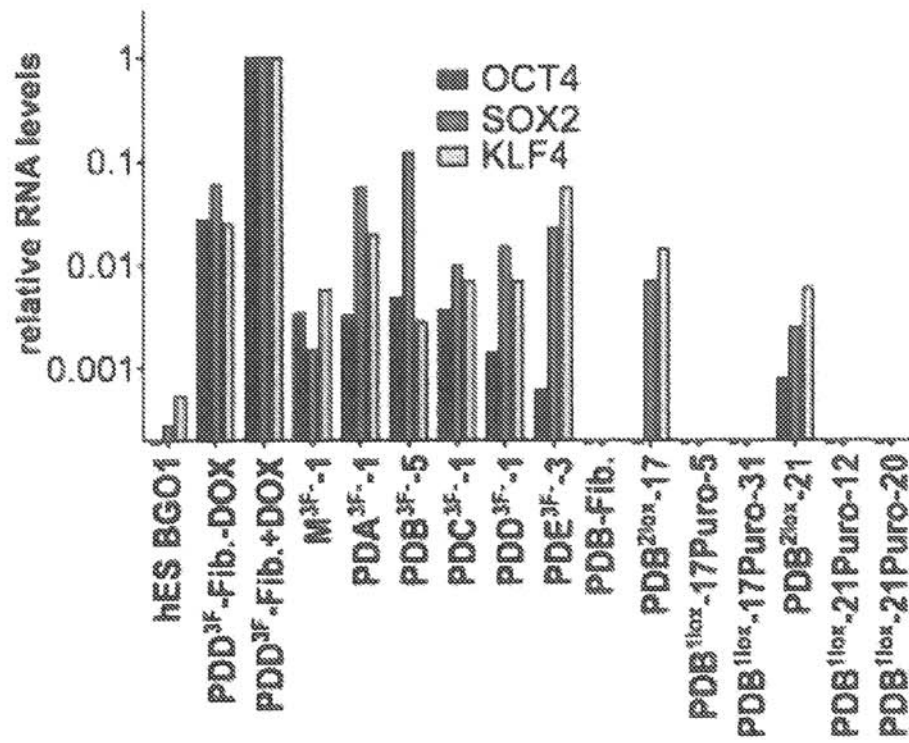


Figs. 30A-30D

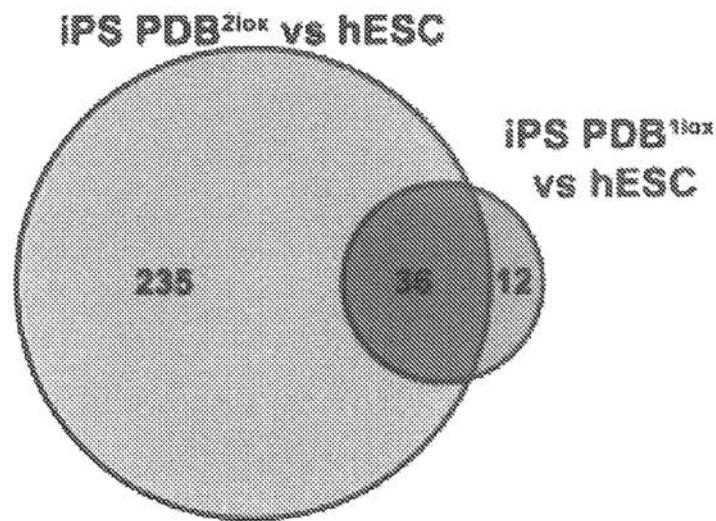


Figs. 31A-31C

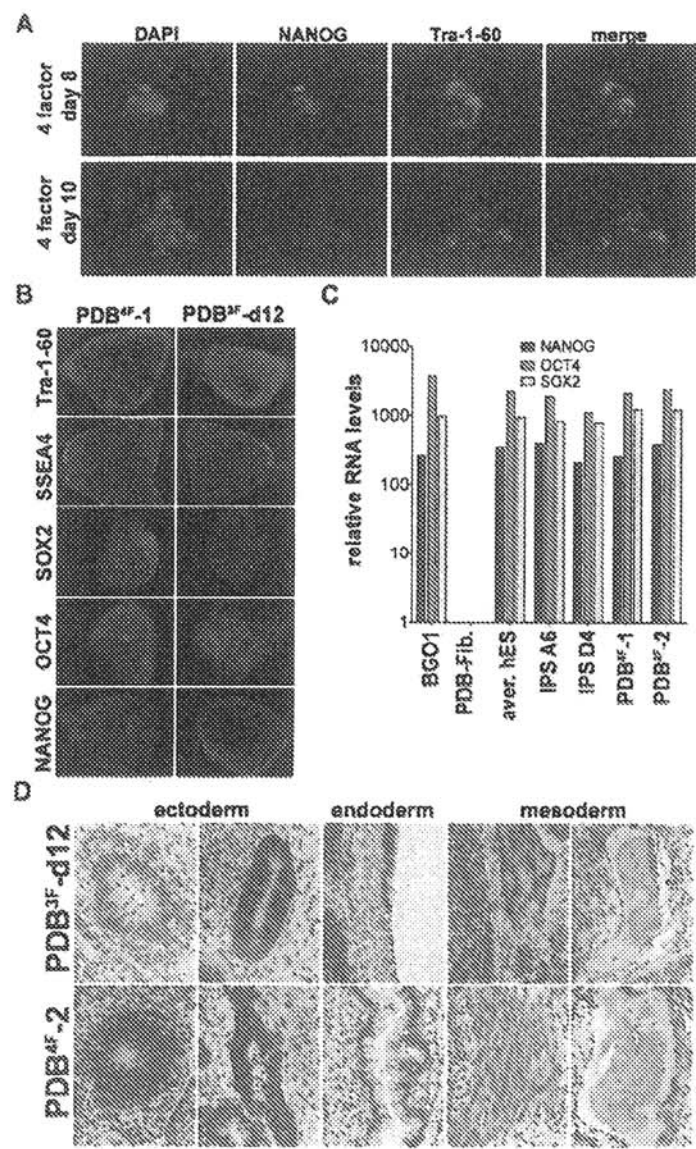
D



E



Figs. 31D-31E



Figs. 32A-32D

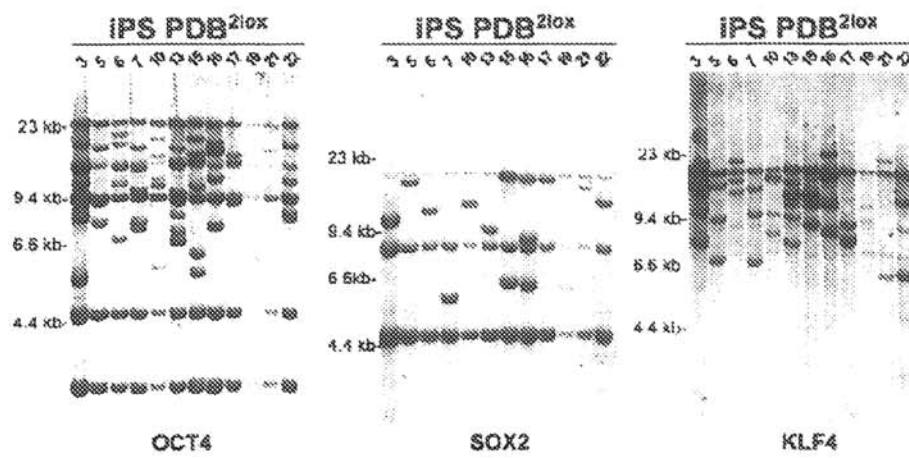


Fig. 33

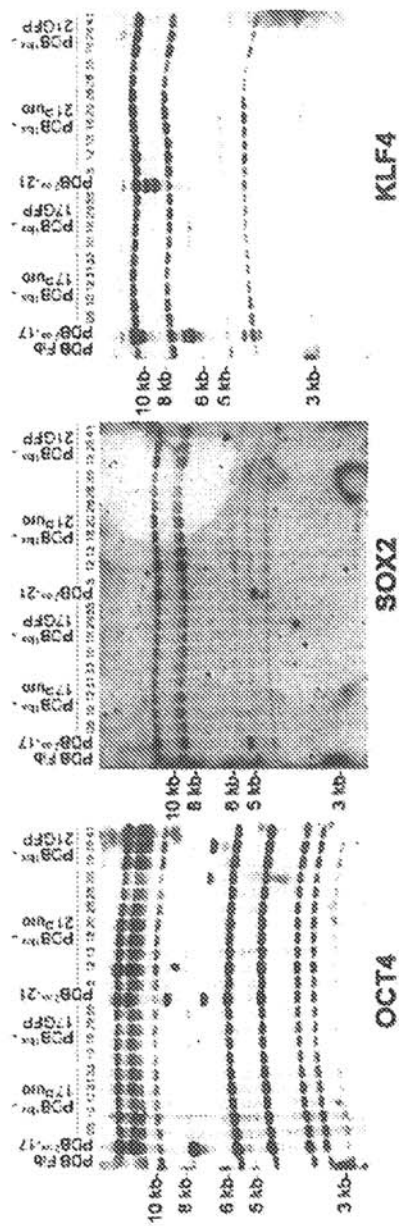


Fig. 34

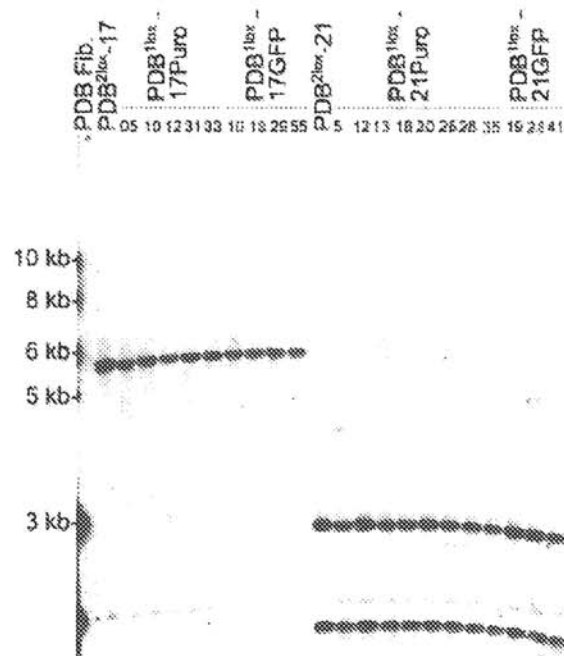


Fig. 35