

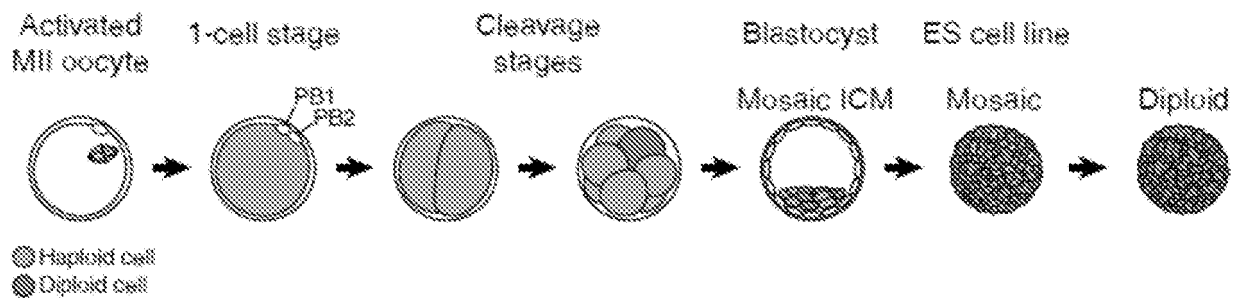


FIGURE 1A

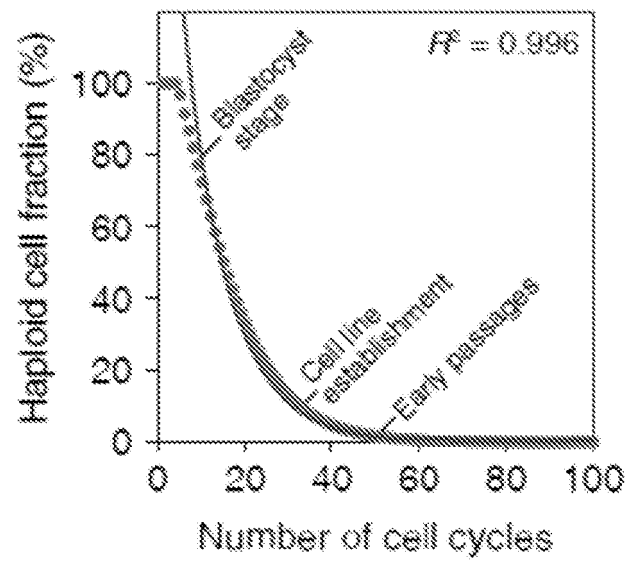


FIGURE 1B

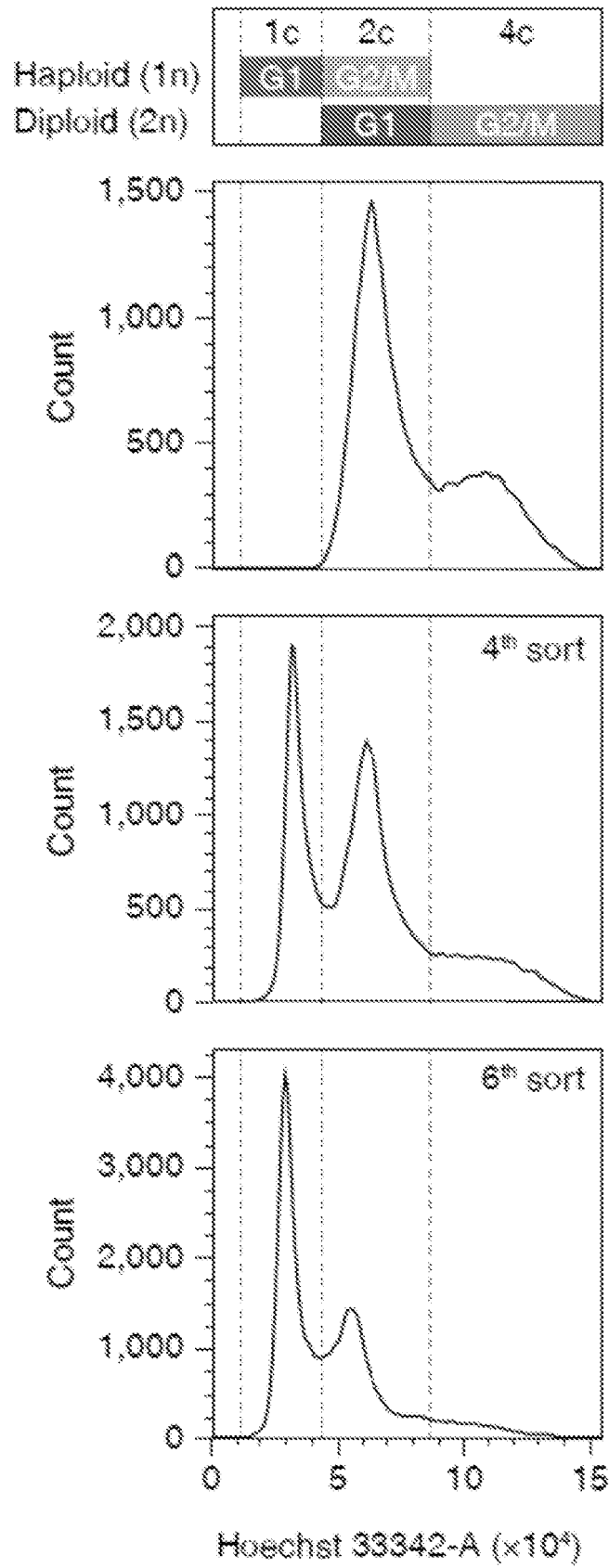


FIGURE 1C

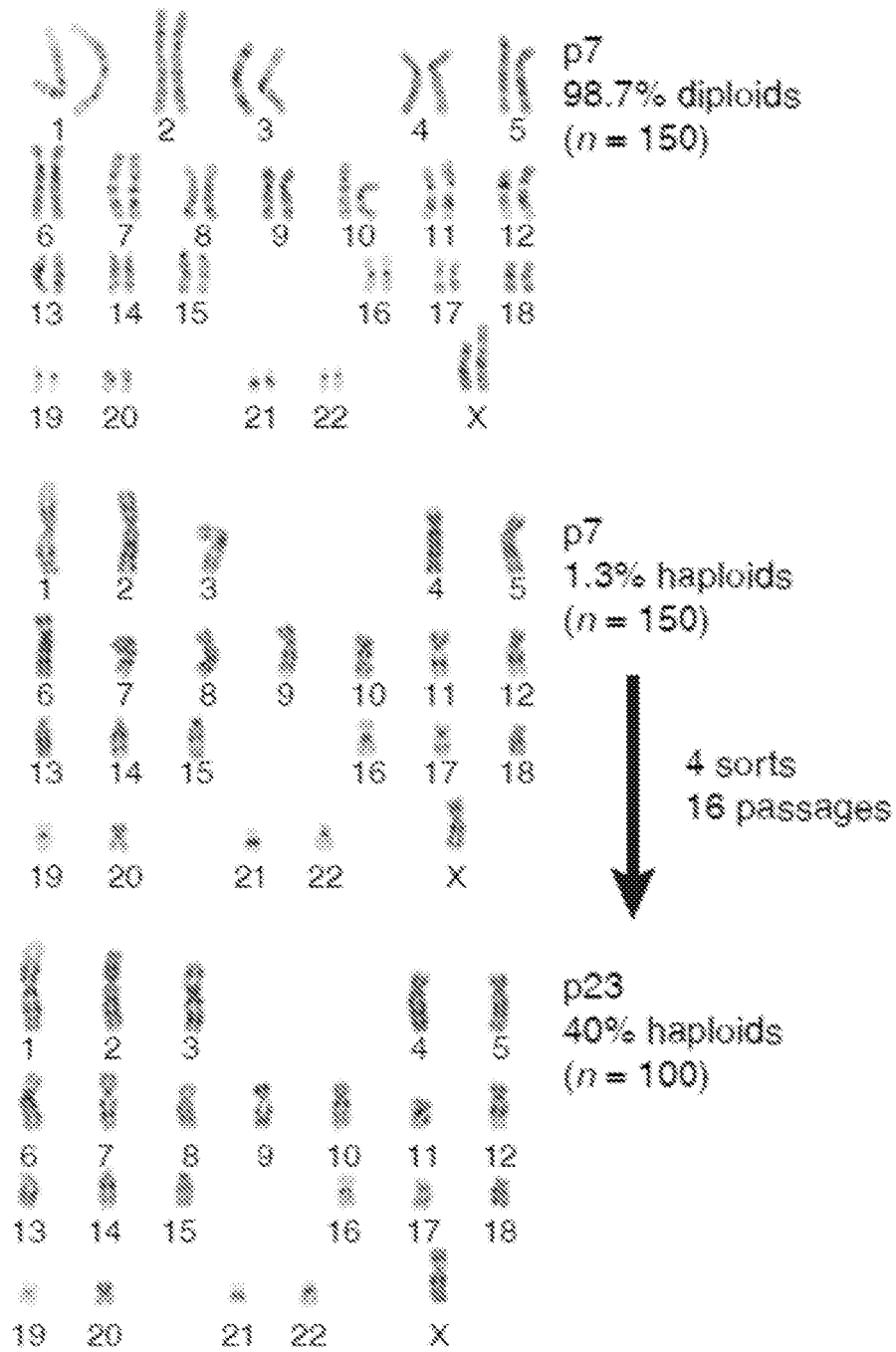


FIGURE 1D

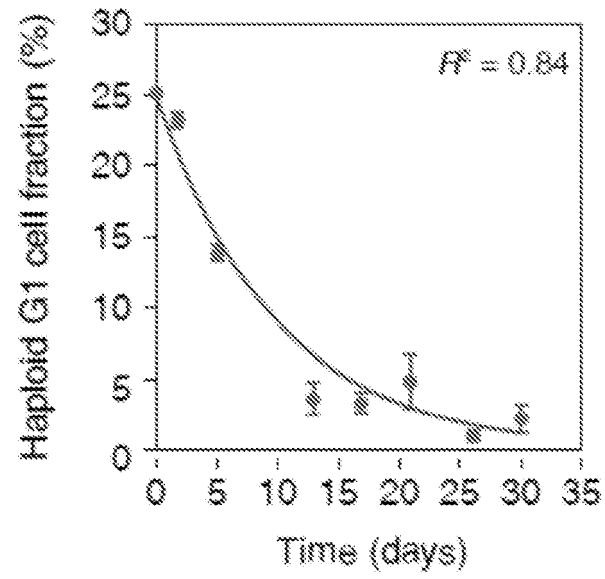


FIGURE 1E

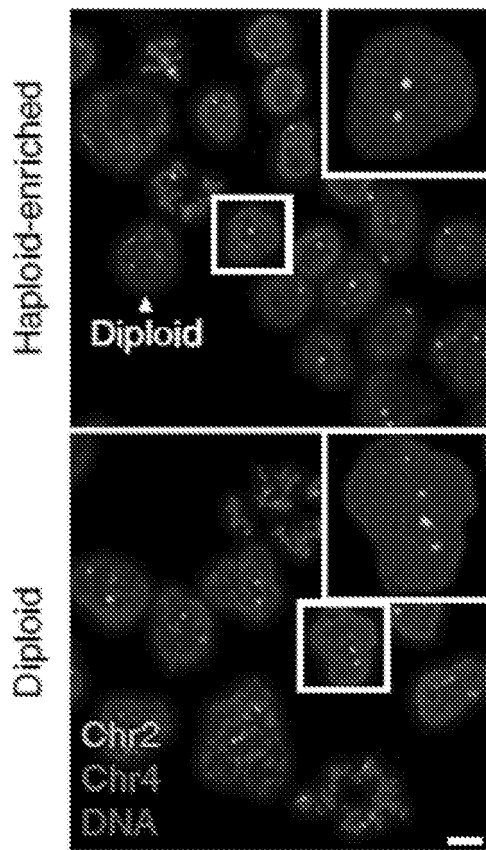


FIGURE 1F

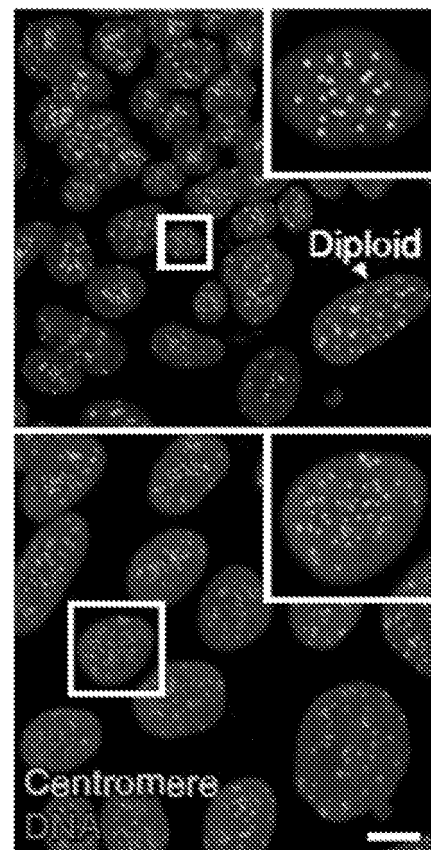


FIGURE 1G

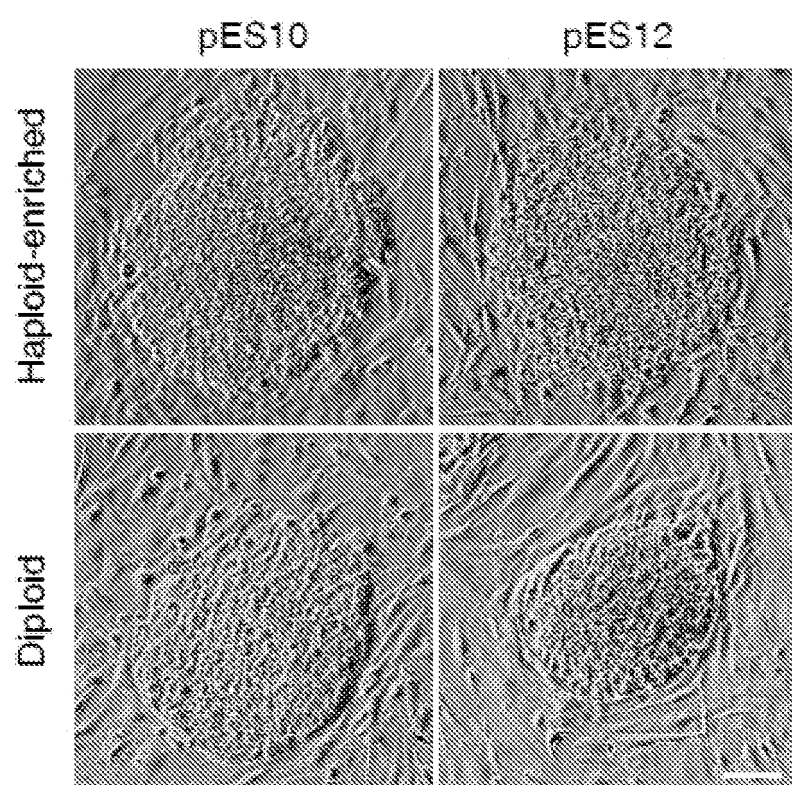


FIGURE 2A

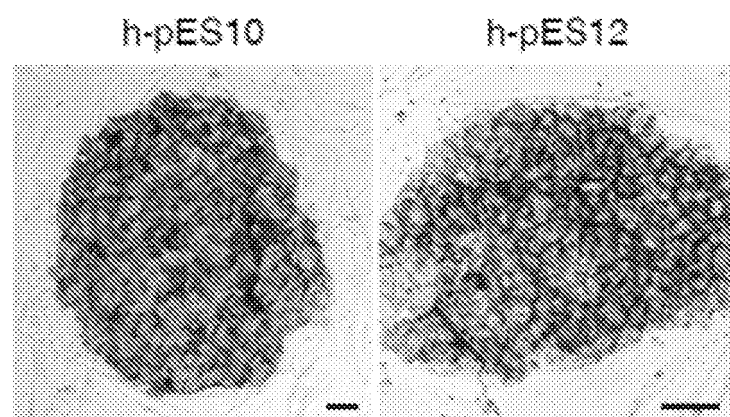


FIGURE 2B

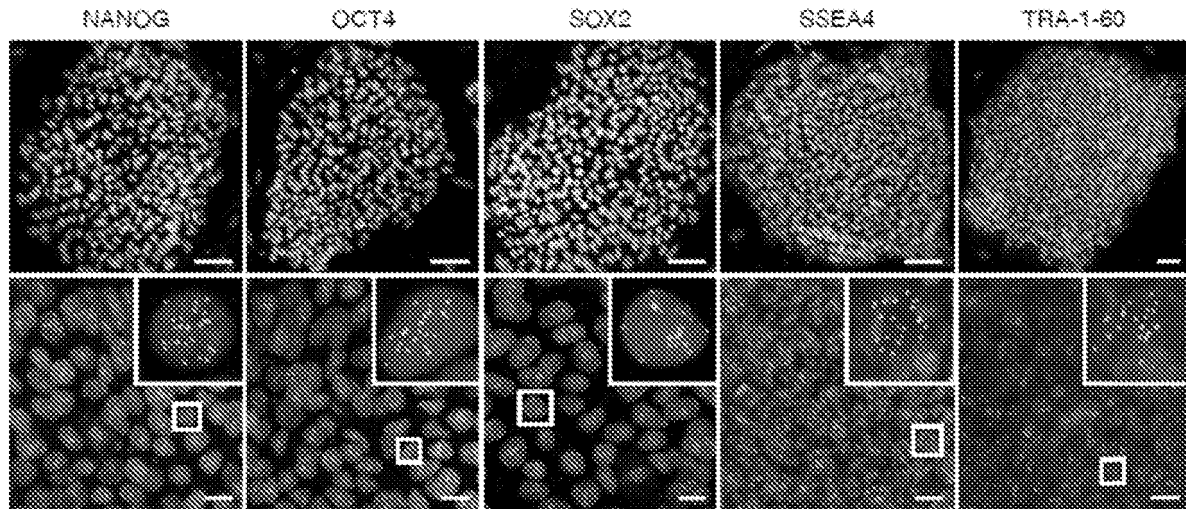


FIGURE 2C

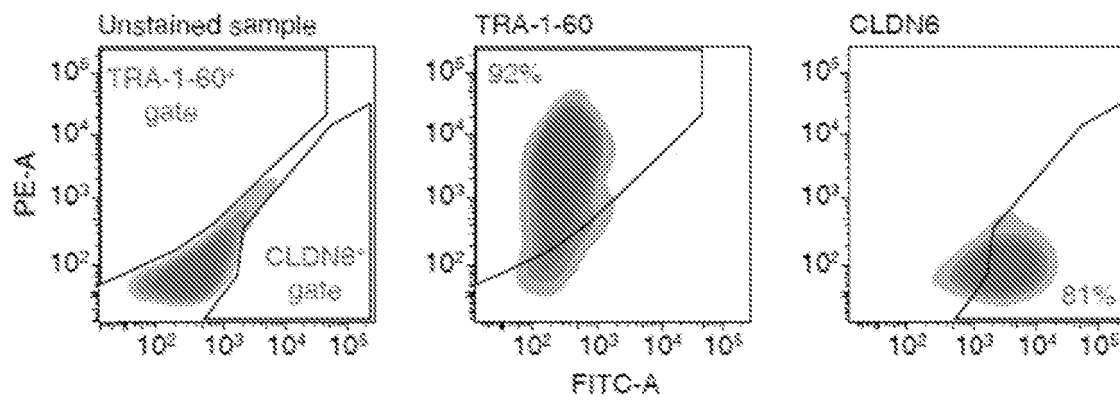


FIGURE 2D

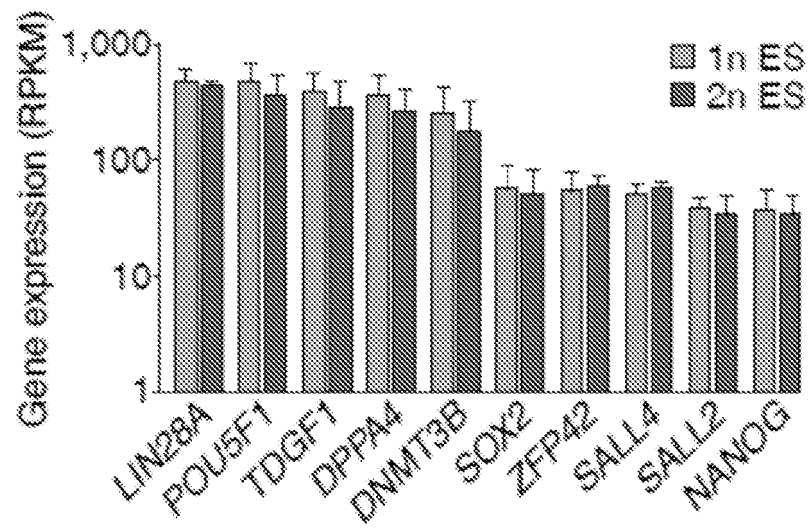


FIGURE 2E

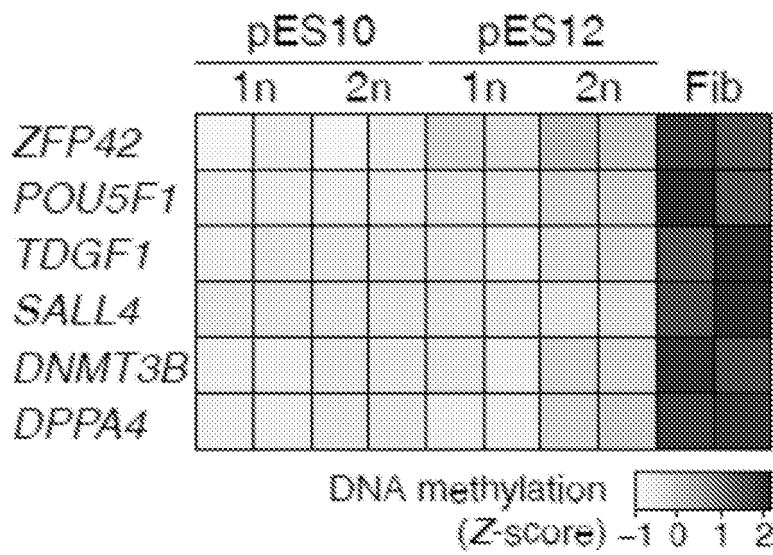


FIGURE 2F

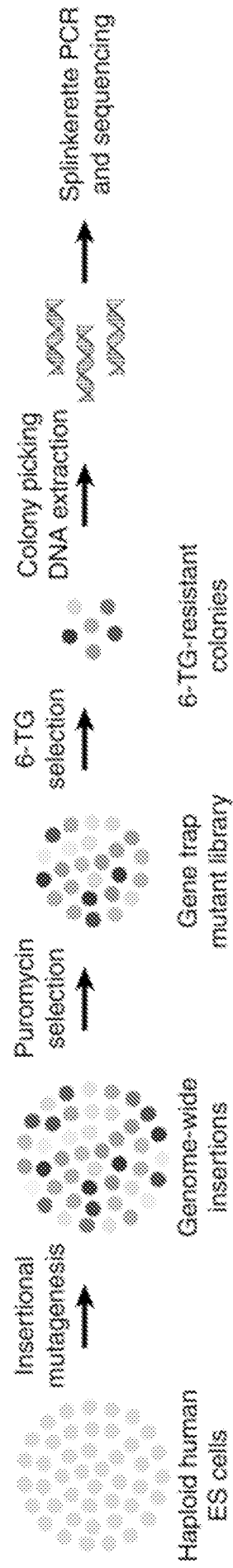


FIGURE 2G

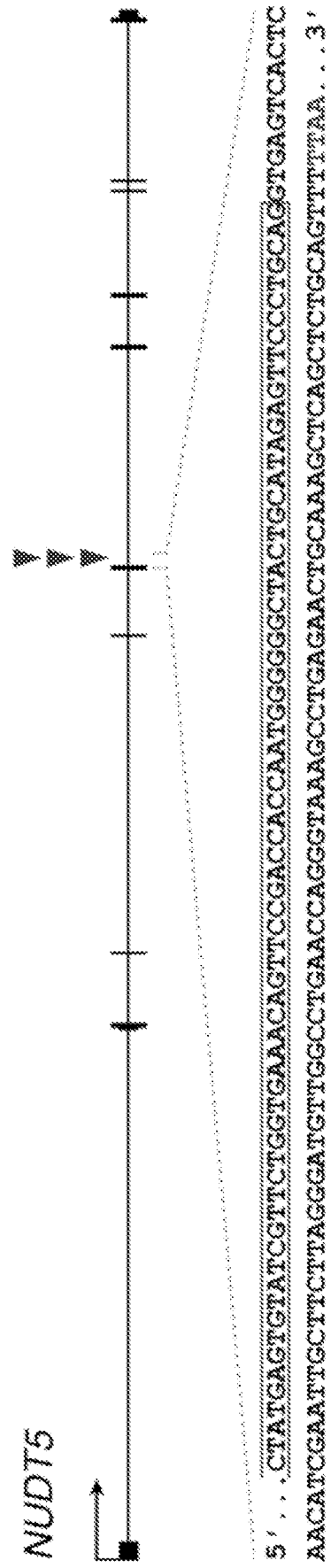


FIGURE 2H

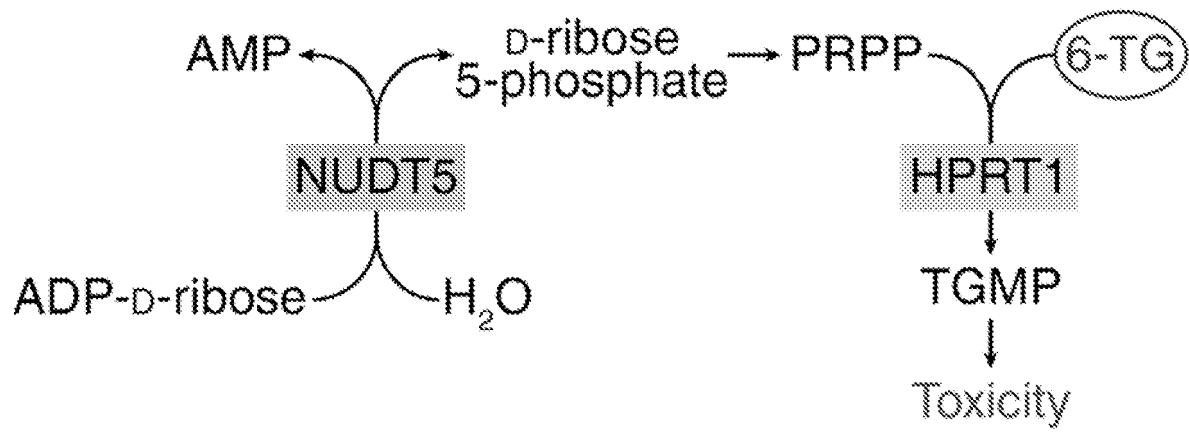
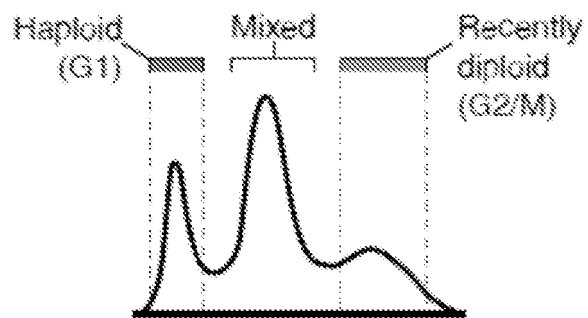
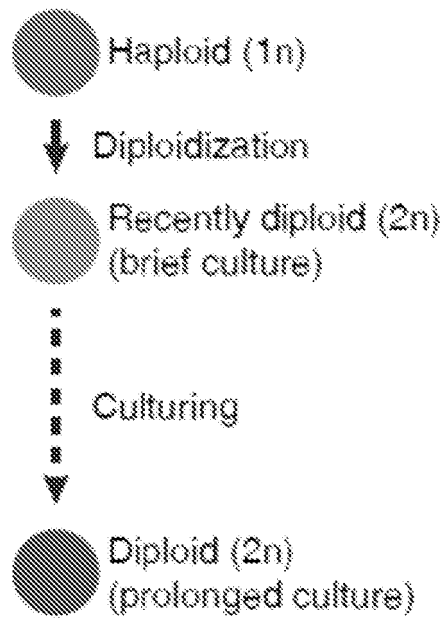
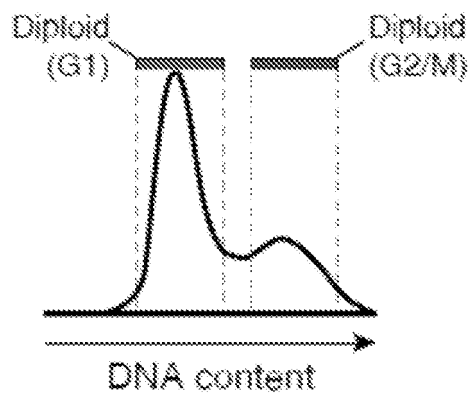


FIGURE 2I

Haploid-enriched culture**Unsorted diploid culture****FIGURE 3A**

All genes

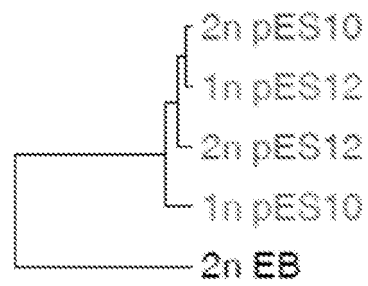


FIGURE 3B

Downregulated genes (n = 290) Upregulated genes (n = 275)

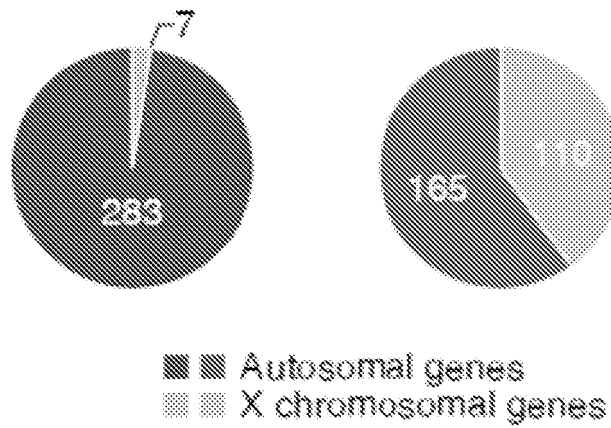


FIGURE 3C

X chromosomal genes

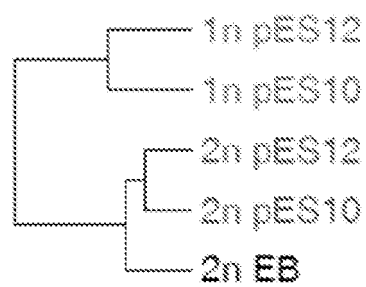


FIGURE 3D

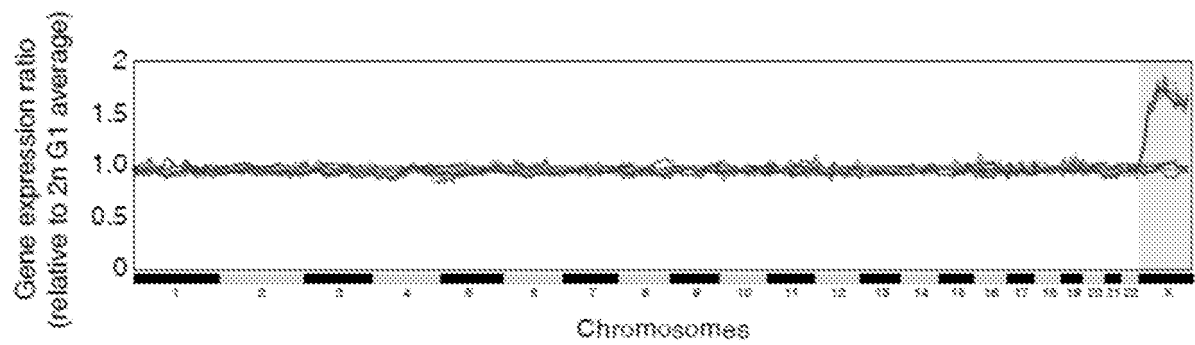


FIGURE 3E

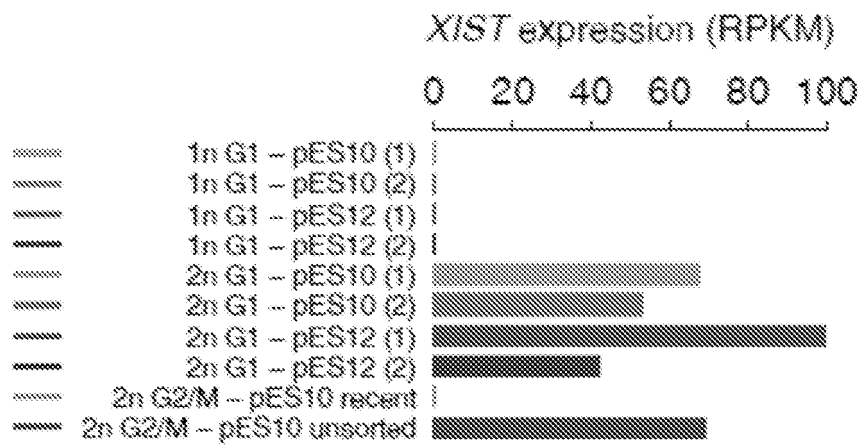


FIGURE 3F

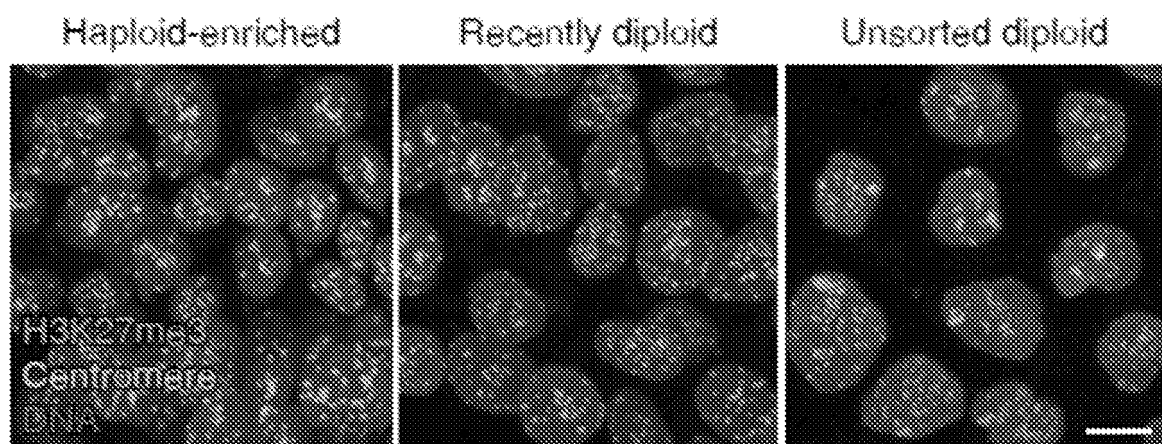


FIGURE 3G

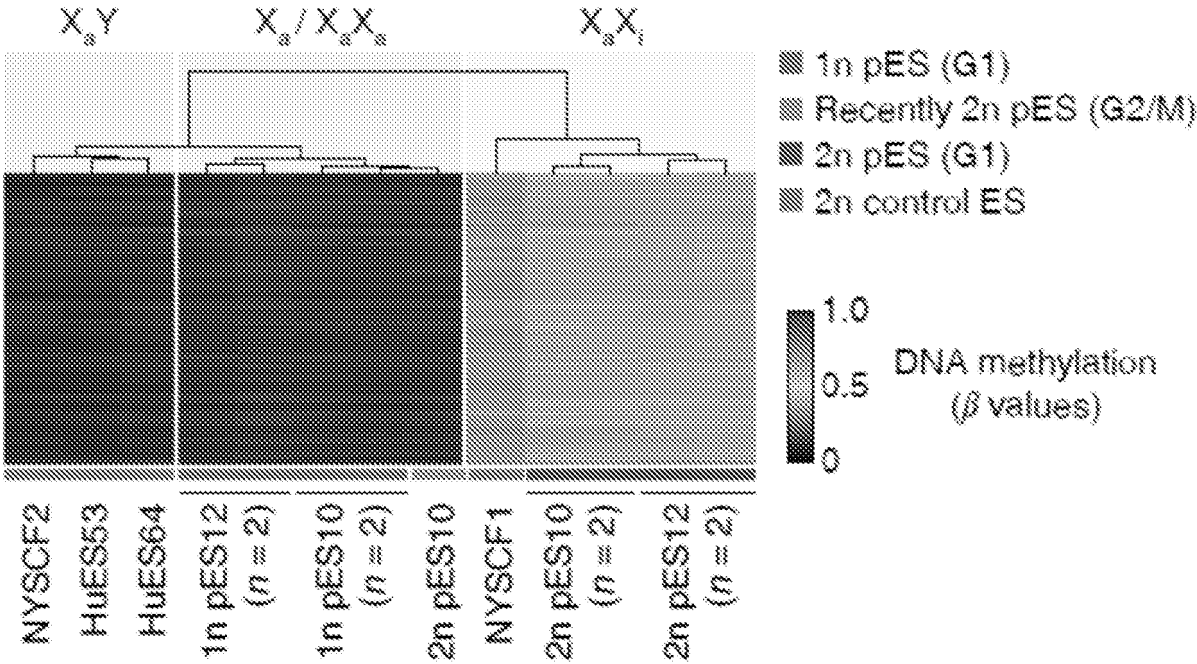


FIGURE 3H

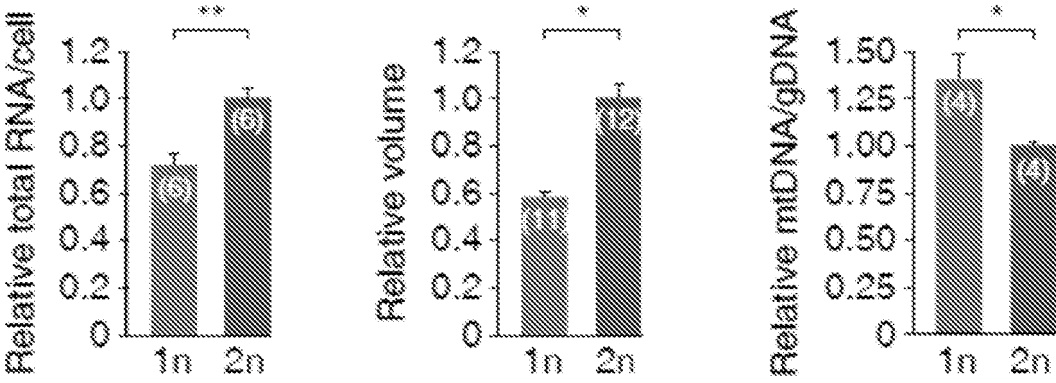


FIGURE 3I

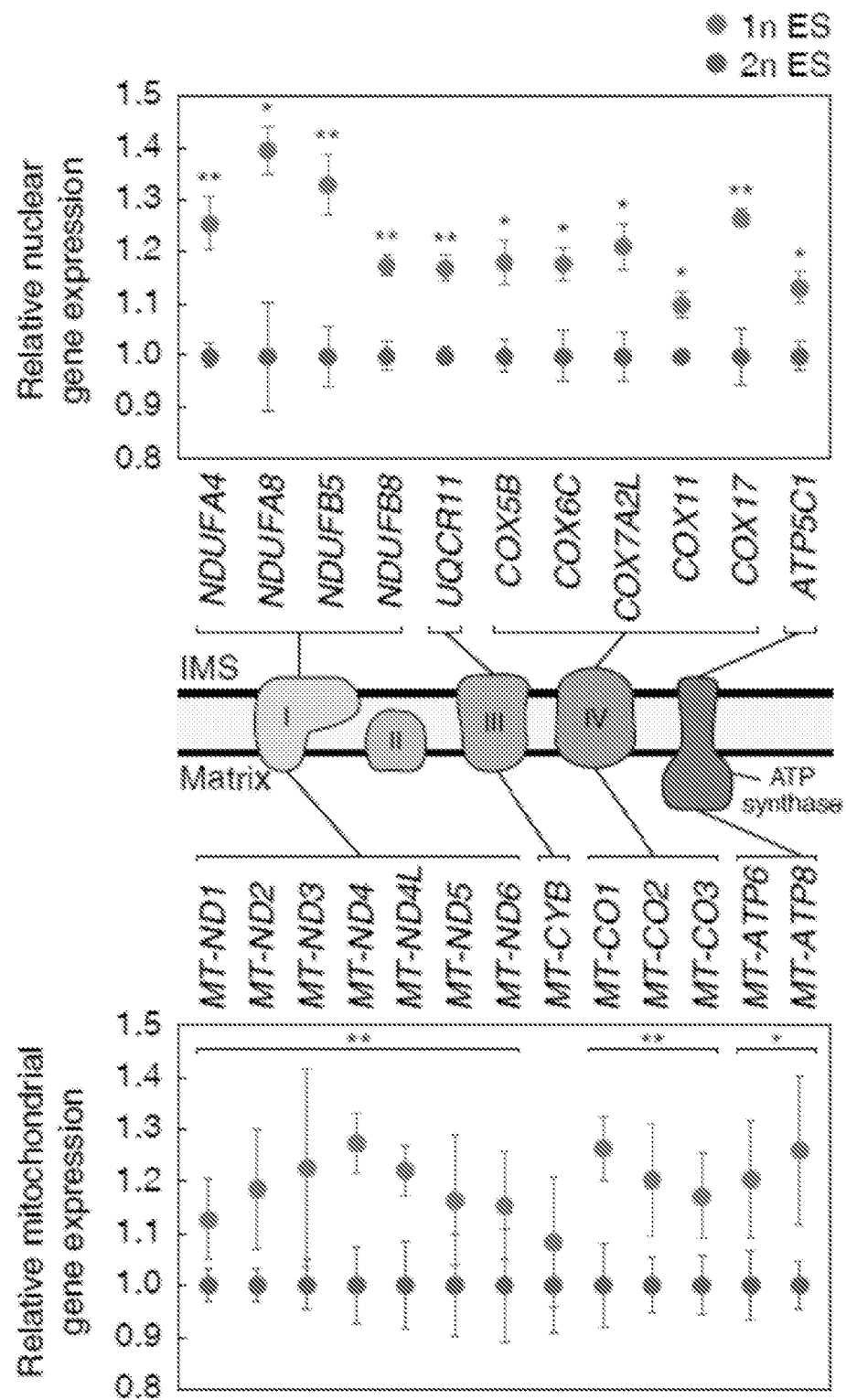
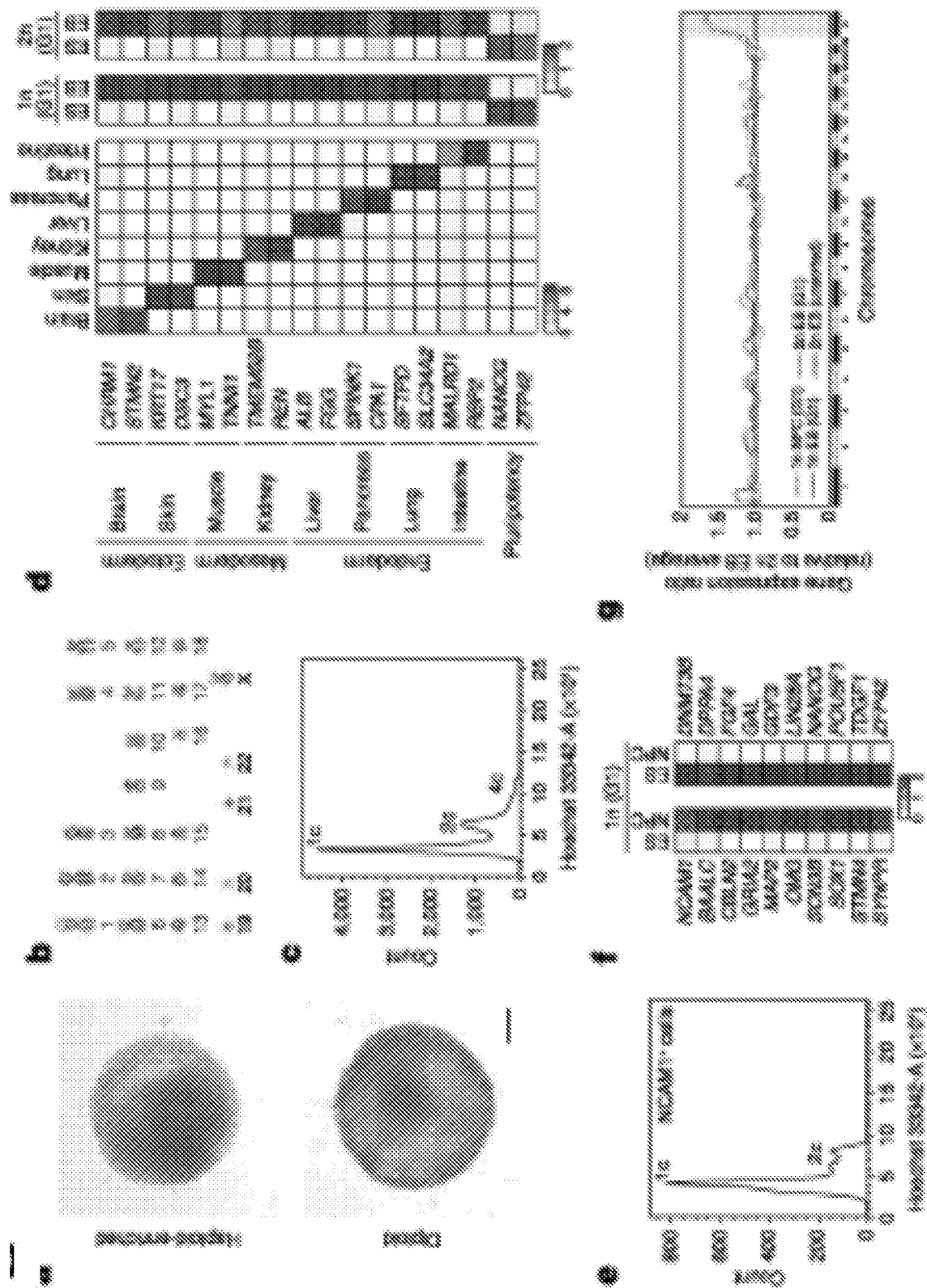


FIGURE 3J



TUJ1 DNA Centromere

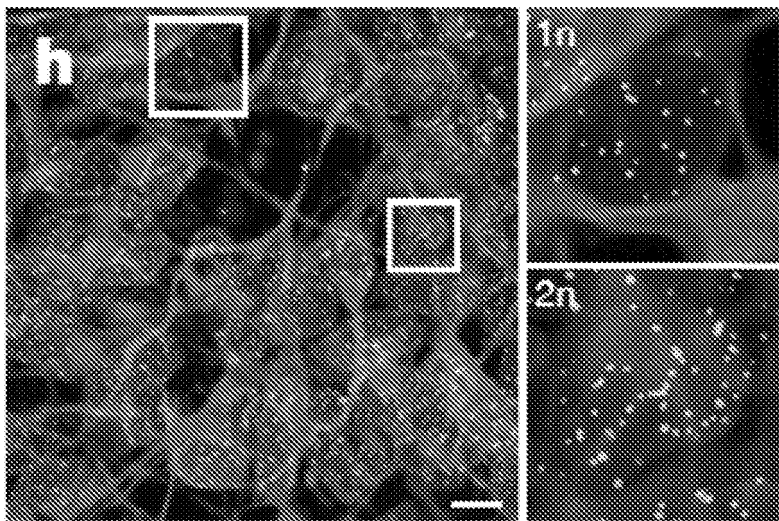


FIGURE 4H

TNNT2 DNA Centromere

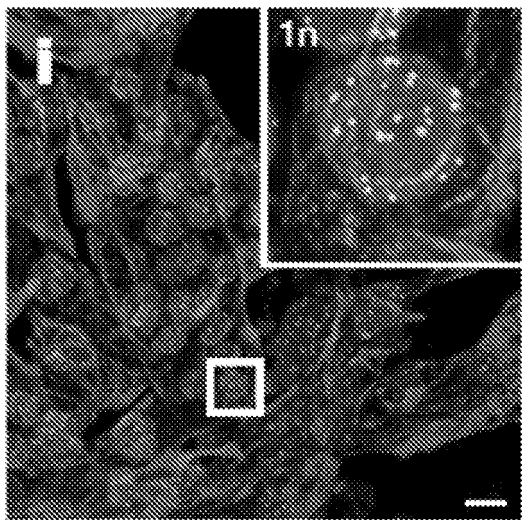


FIGURE 4I

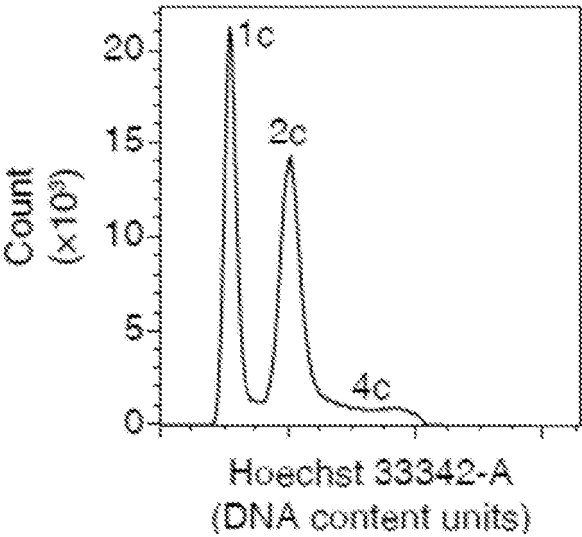


FIGURE 4J

FOXA2 Centromere

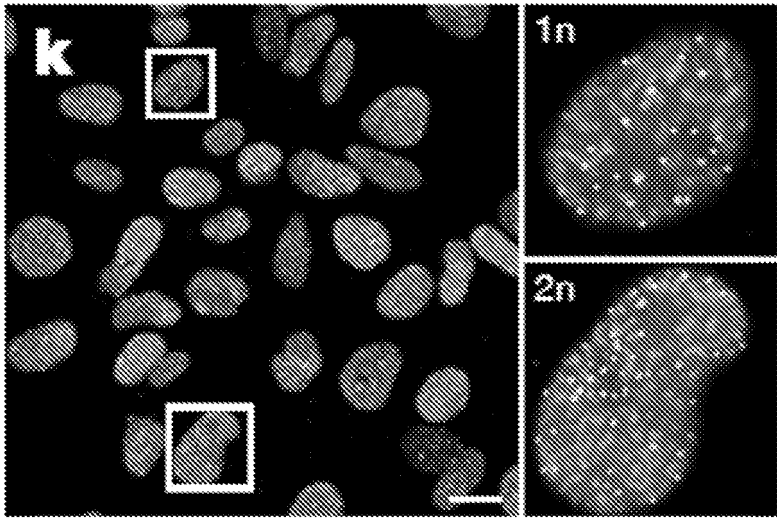


FIGURE 4K

PDX1 NKX6.1 Centromere

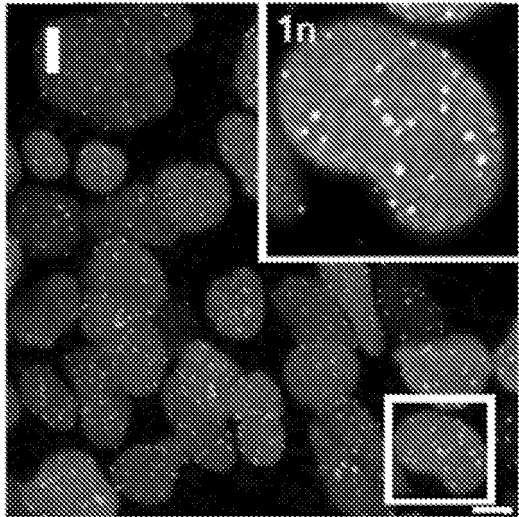


FIGURE 4L

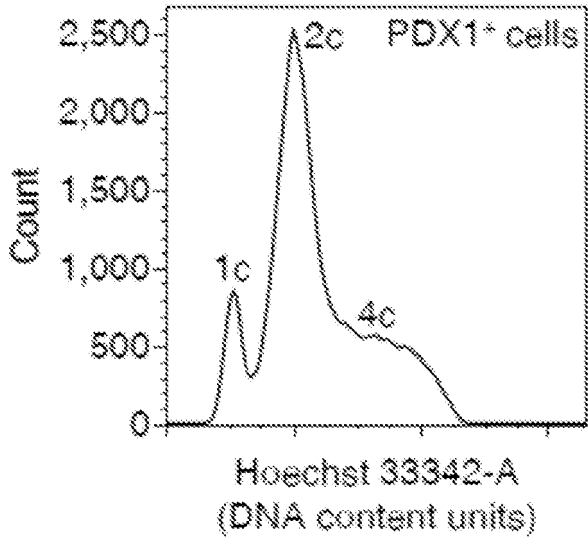


FIGURE 4M

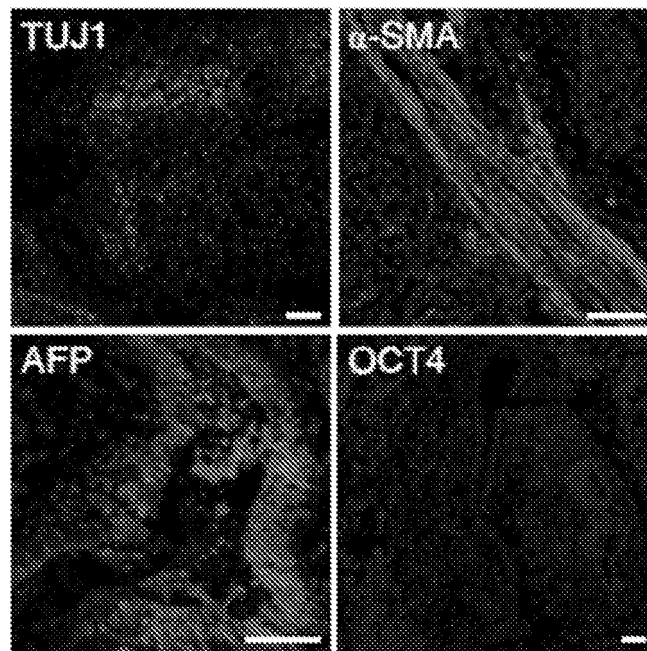


FIGURE 4N

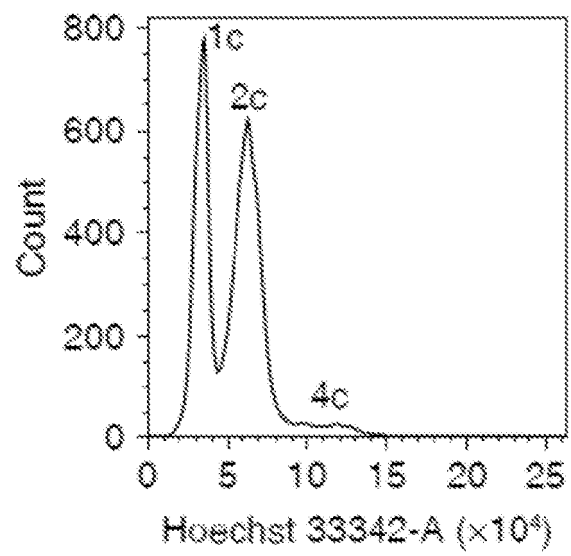


FIGURE 4O

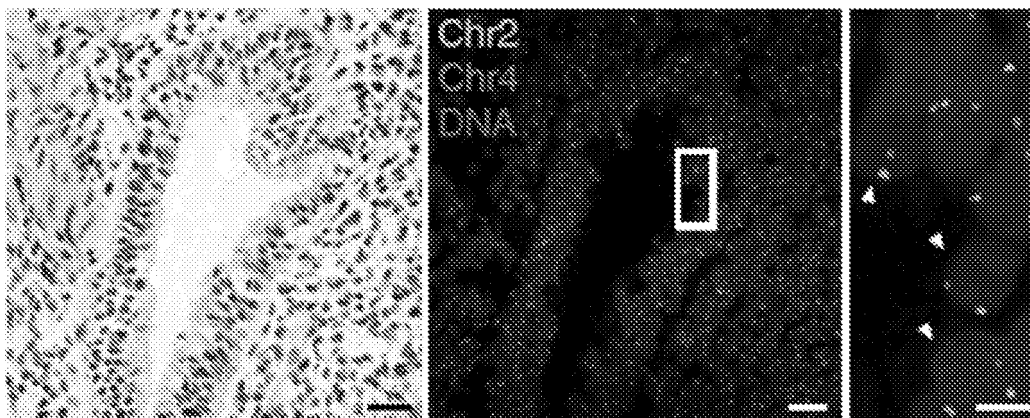
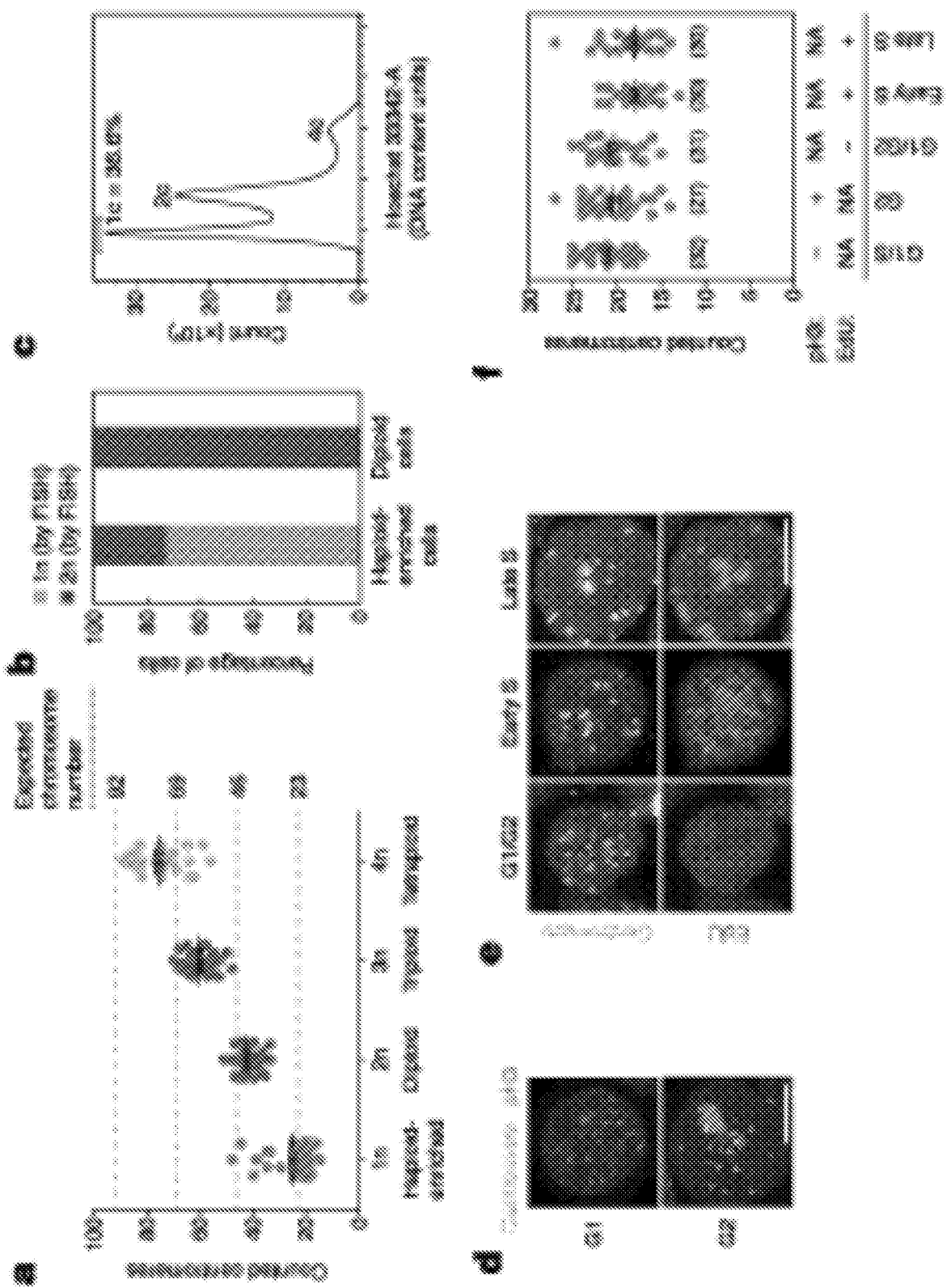


FIGURE 4P



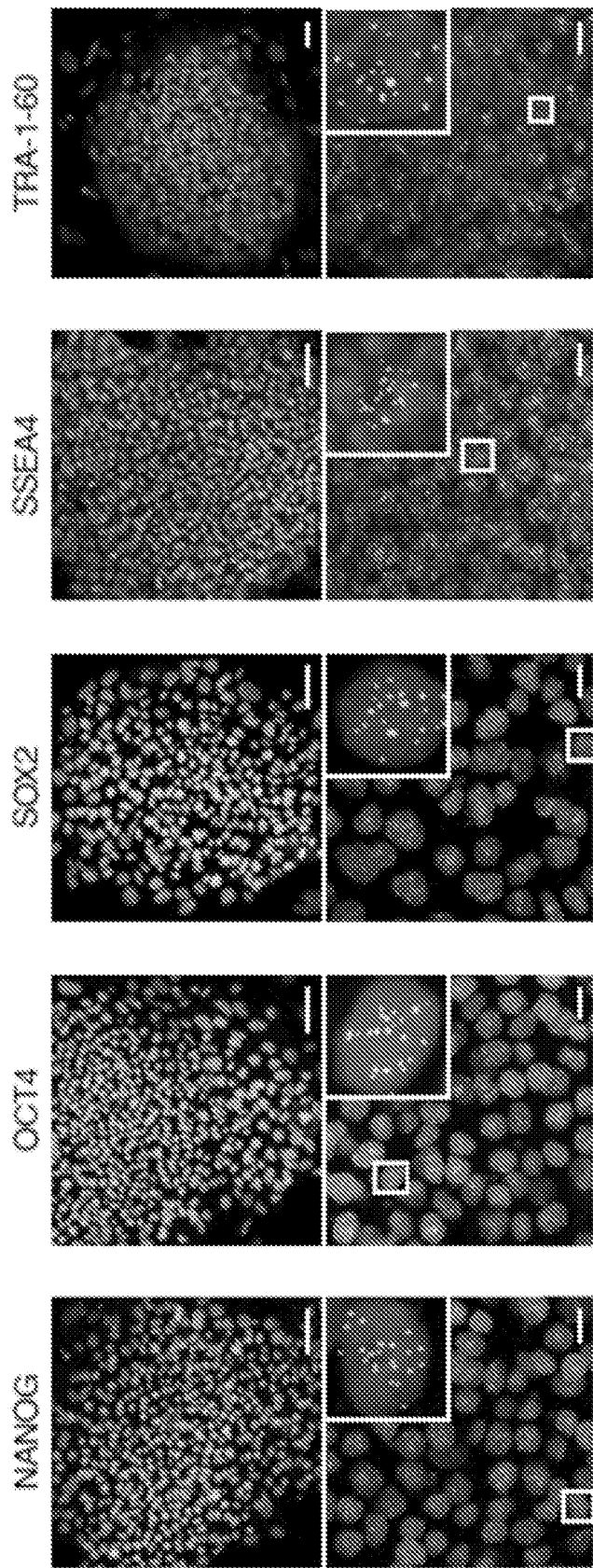
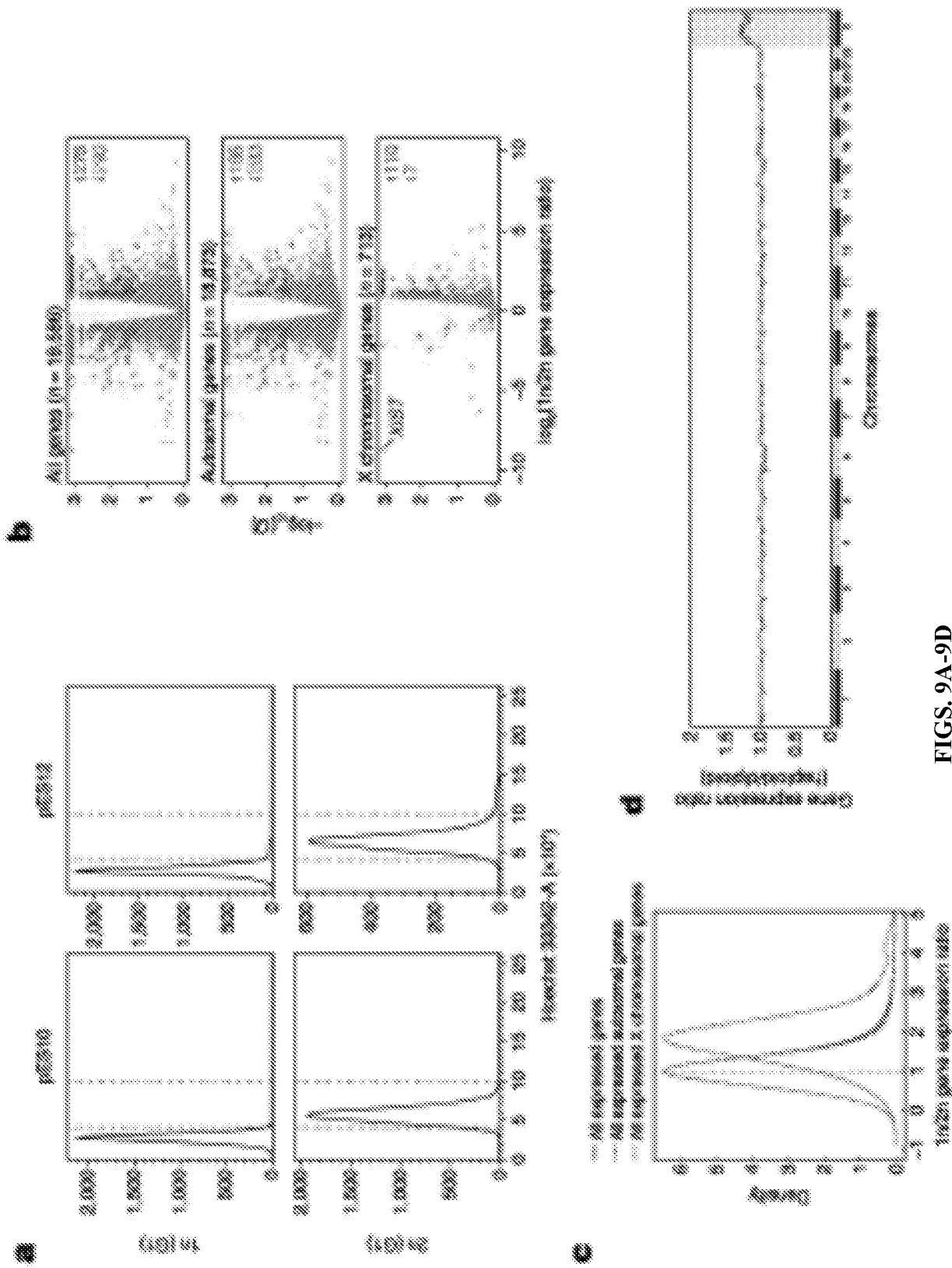


FIGURE 7



FIGS. 9A-9D

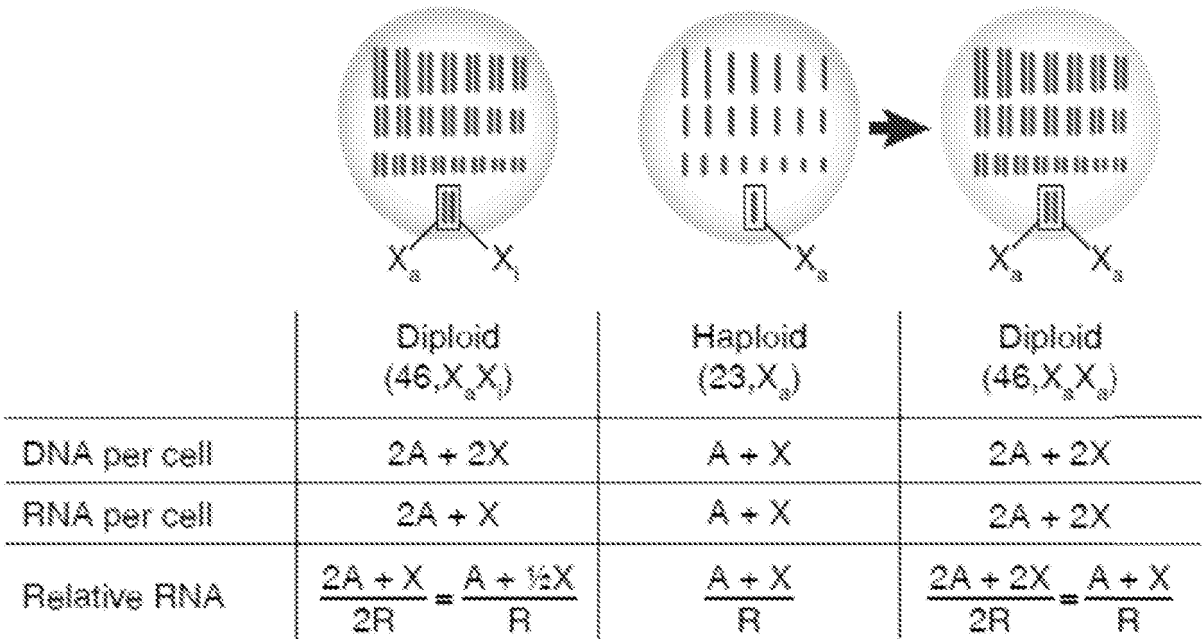


FIGURE 9E

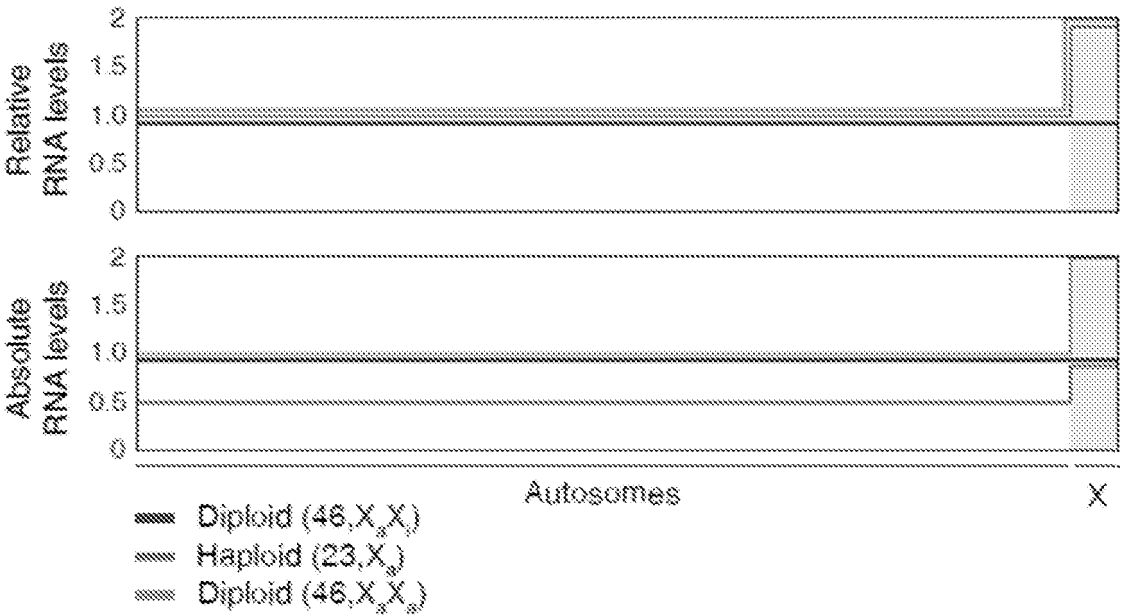


FIGURE 9F

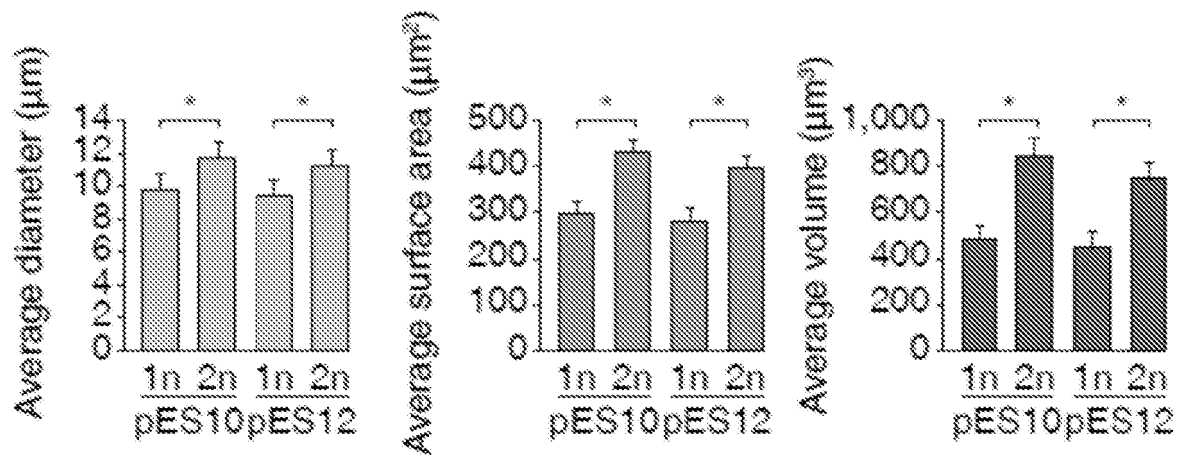


FIGURE 9G

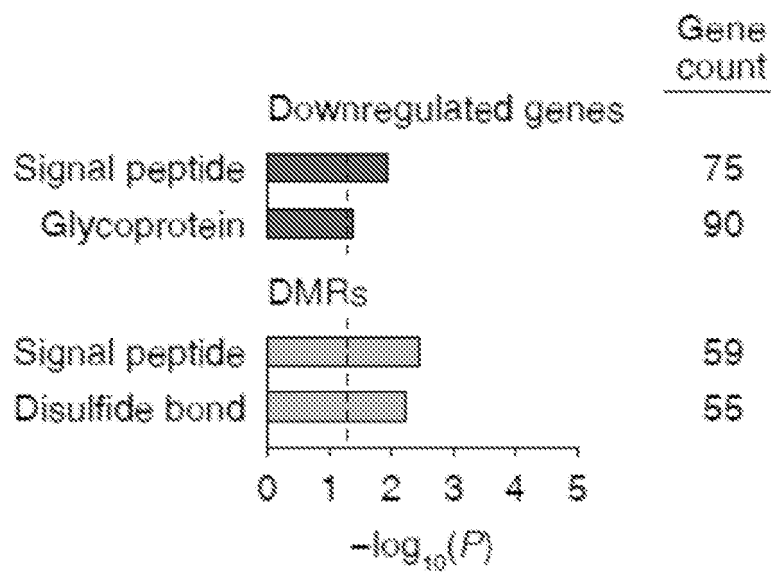


FIGURE 9H

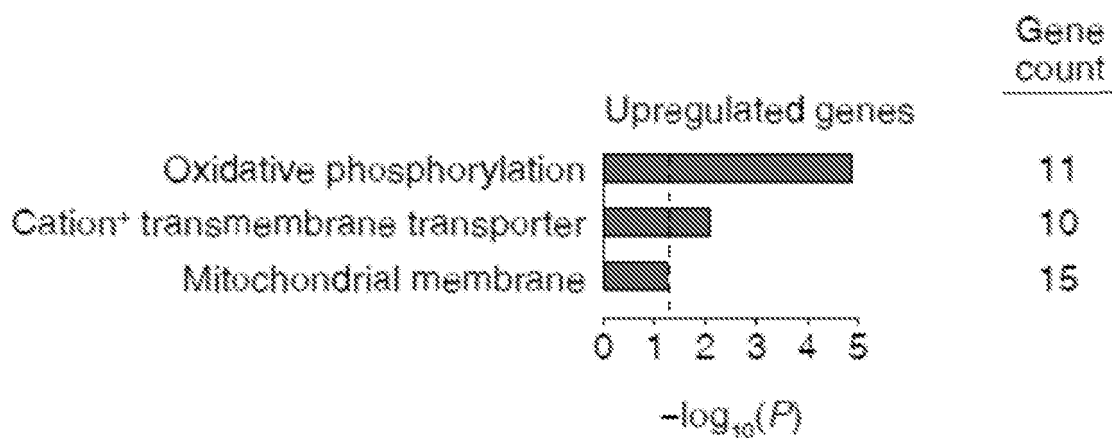
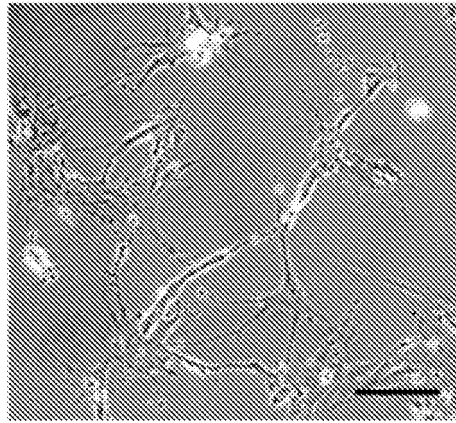
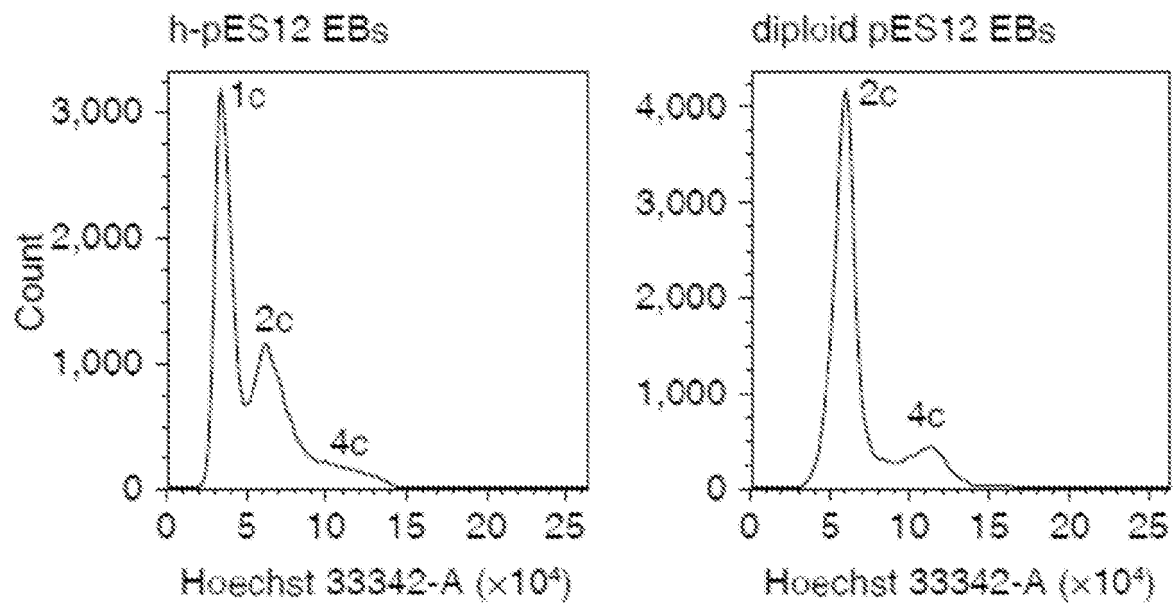


FIGURE 9I

**FIGURE 10A****FIGURE 10B**

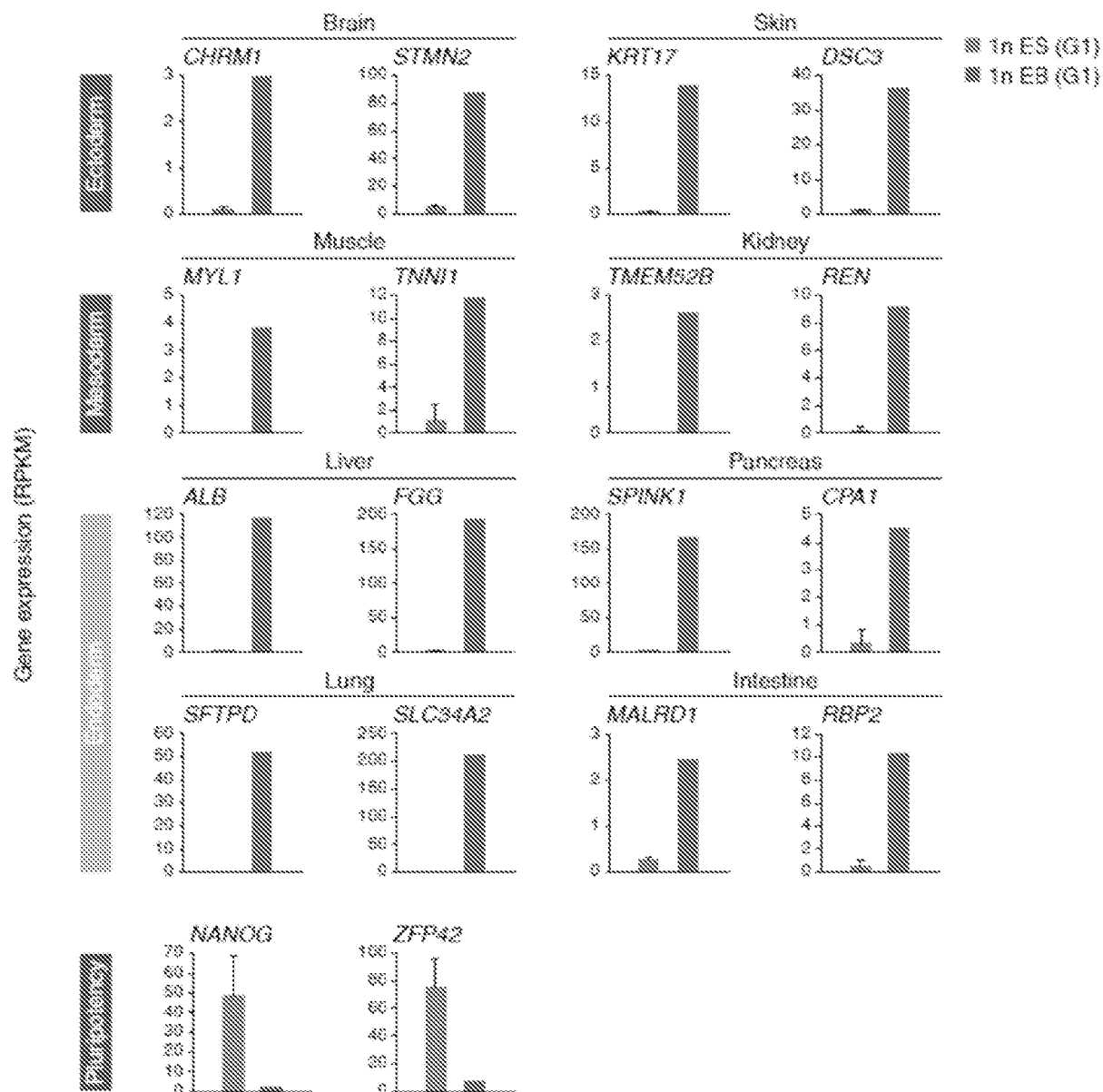


FIGURE 10C

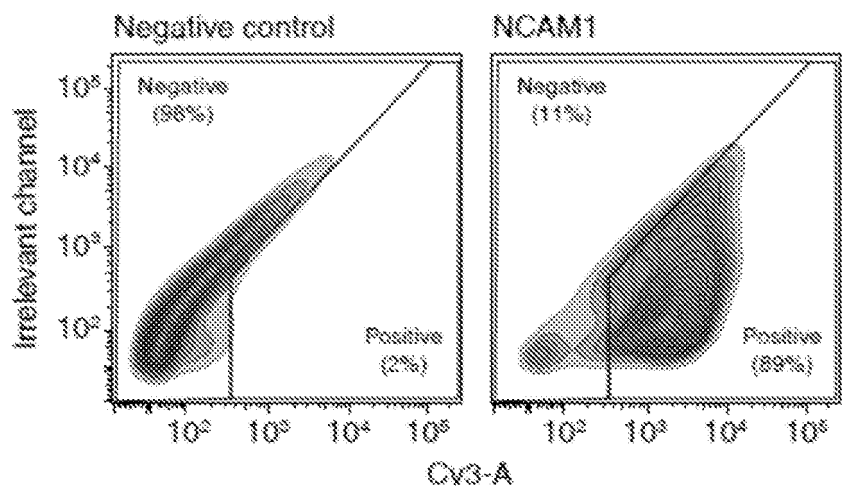


FIGURE 11A

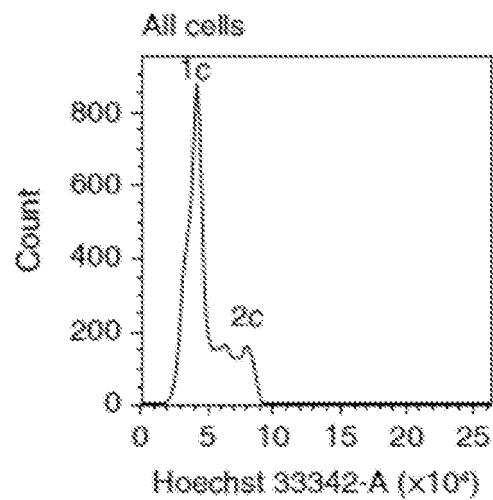


FIGURE 11B

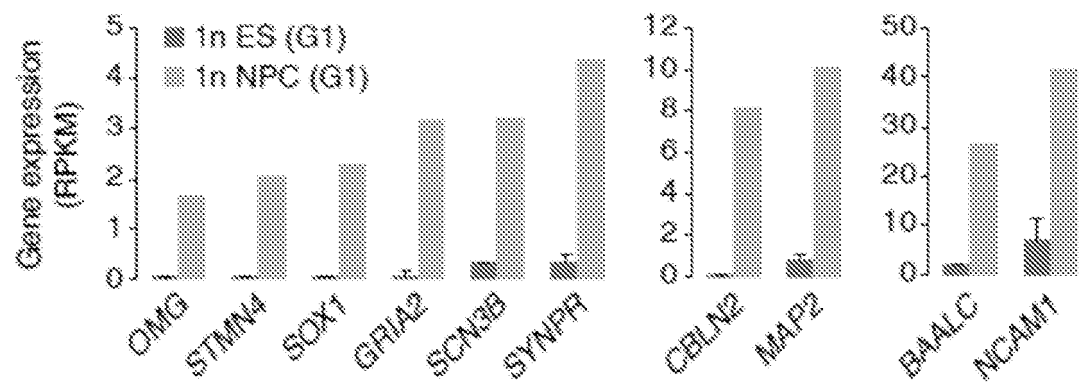


FIGURE 11C

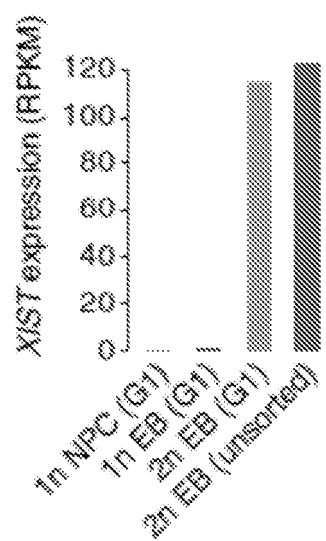


FIGURE 11D

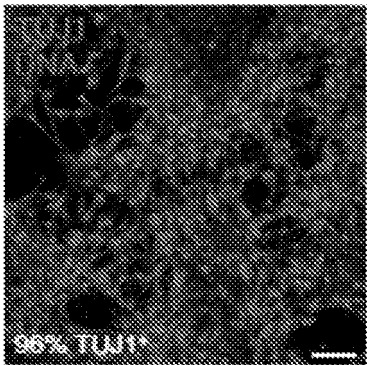


FIGURE 11E

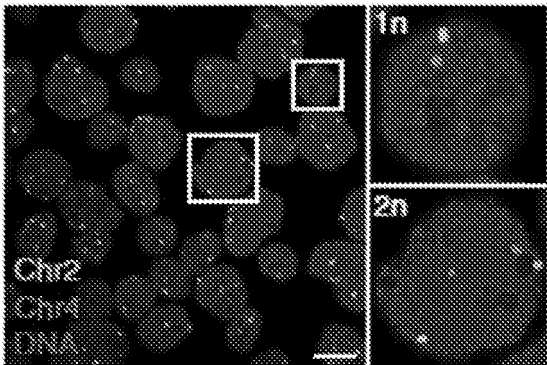


FIGURE 11F

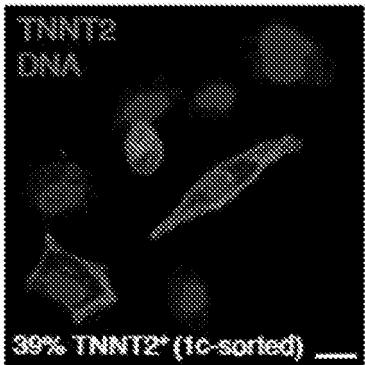


FIGURE 11G

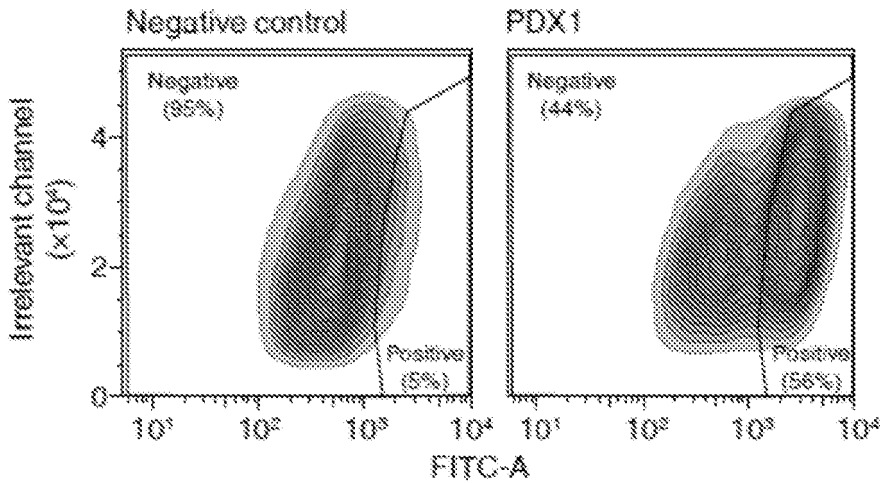
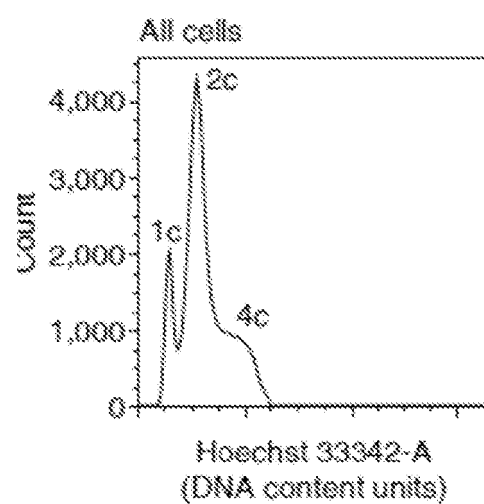
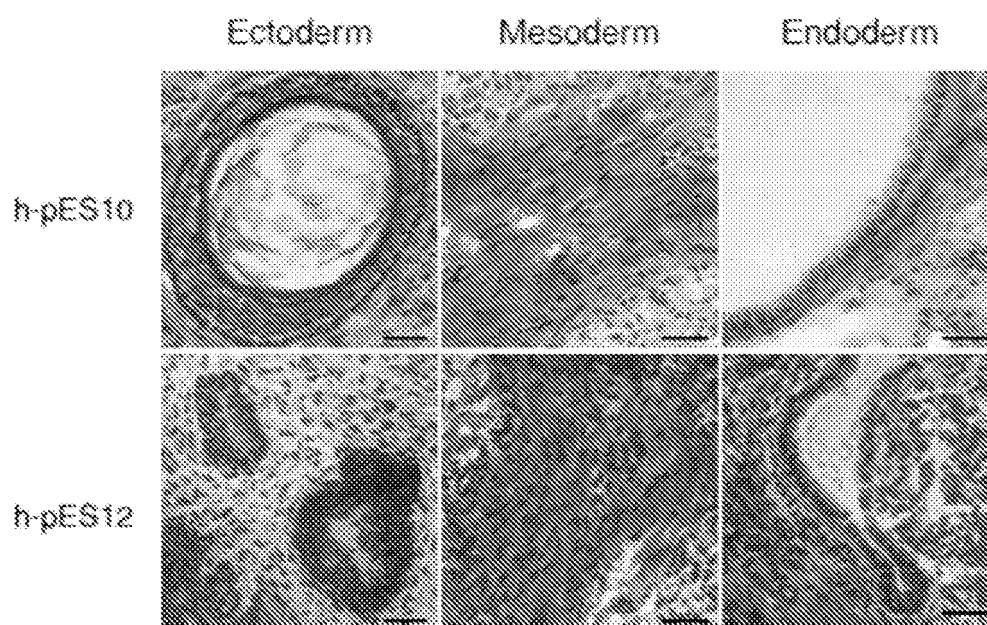
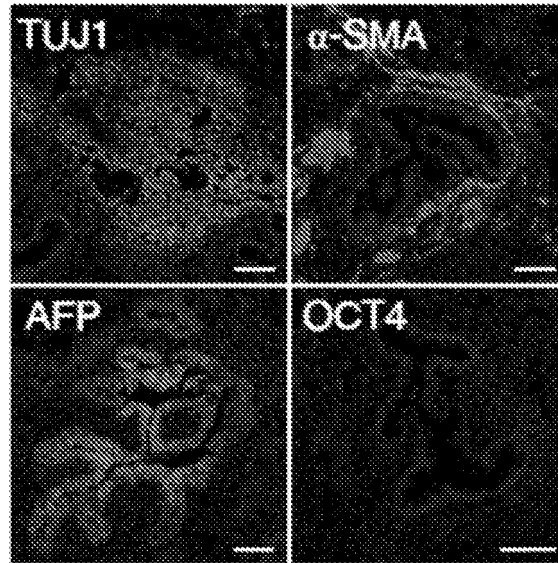


FIGURE 11H

**FIGURE 11I****FIGURE 12A**

**FIGURE 12B**