

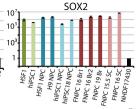
PAX6

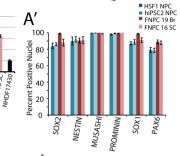
HSF1 NPC H9 NPC hiPSC1 NPC hiPSC18 NPC FNPC 16 Br1 FNPC 16 Br2

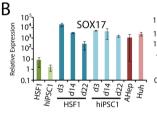
hiPSC1

HSF1

FNPC 19 Br FNPC 15.5 SC FNPC 16 SC







AFP

hiPSC1

10⁴

 10^{3}

10²

10

0.1

hipsc1

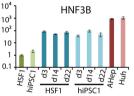
HSF1

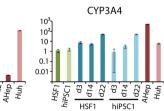
d14 d22 d3

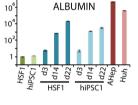
HSF1

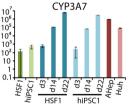
β

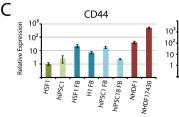
Relative Expression











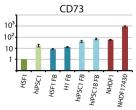


Figure S1 hESC and hiPSC lines make cell types representing all three germ layers. **A**, RT-PCRs demonstrating mRNA expression of NPC markers (SOX2, NESTIN, MUSASHI, PROMININ, and PAX6) in NPCs derived from PSCs, fetal brain and fetal spinal cord.Error bars represent standard error over 4 replicates. Values set relative to NHDF17430. **A'**, Quantification of the percent positive cells in NPC cultures expressing SOX2,PAX6, MMUSASHI, PROMININ, and NESTIN). Error bars represent standard error over 10 fields of view. **B**, RT-PCRs of definitive endoderm markers (SOX17 and HNF3B), fetal hepatocyte markers (AFP and CYP3A7) and adult hepatocyte markers (ALBUMINand CYP3A4) following 3, 14 and 22 days of directed-differentiation. Error bars represent standard error over 4 replicates. Values set relative to HSF1. **C**, RT-PCR of fibroblast markers (CD44 and CD73) following differentiation of pluripotent stem cells to fibroblasts.Error bars represent standard error over 4 replicates. Values set relative to HSF1.