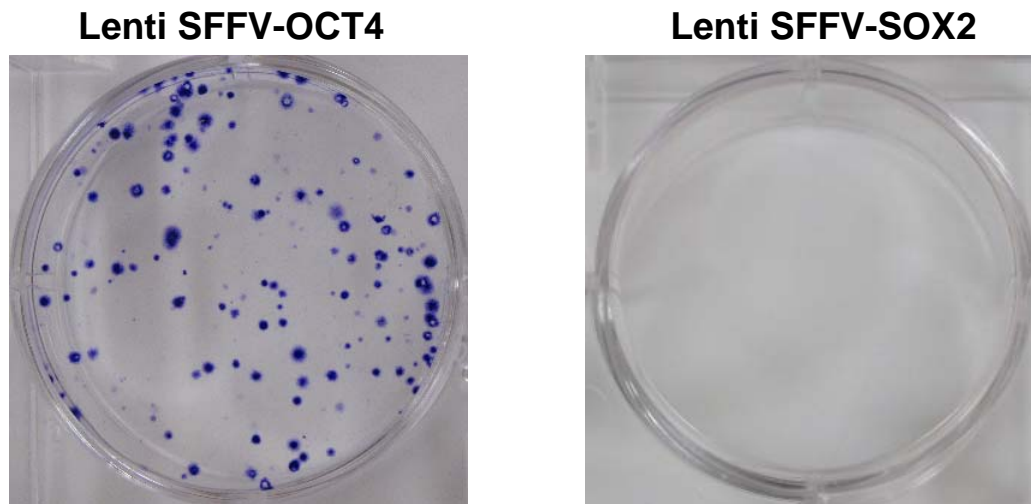
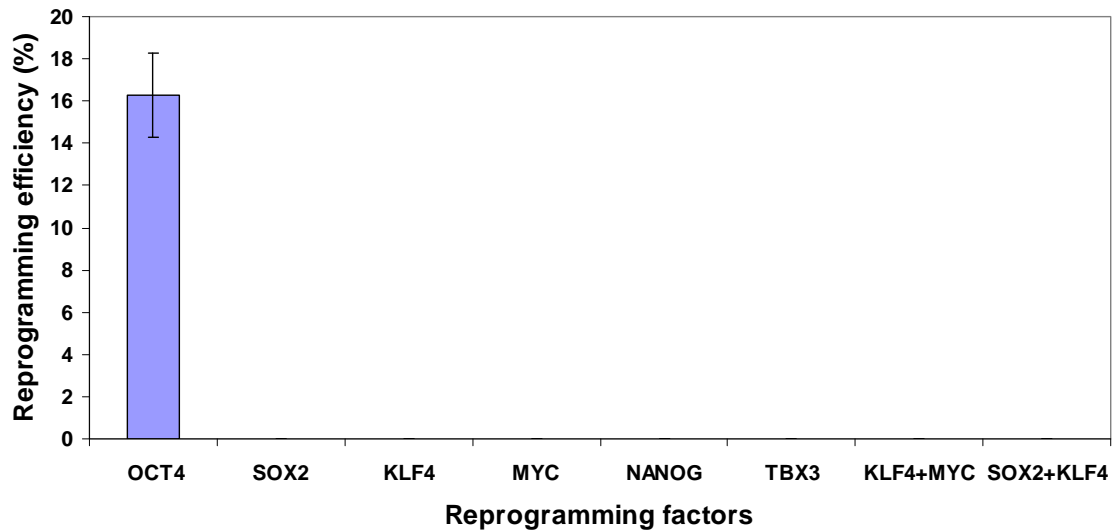


A**B**

Supplementary information, Figure S1: Successful Reprogramming of Cord Blood CD34⁺ cells into iMSCs with OCT4 but not Other Factors.

(A) Lenti SFFV-OCT4 but not Lenti SFFV-SOX2 transduced CB CD34⁺ cells lead to efficient generation of iMSCs. After lentiviral transduction, 1000 cells were seeded in each well of 6-well plates. Colonies were counted 9 days later after crystal violet staining. (B) 16% OCT4-transduced CD34⁺ cells formed colonies, while SOX2, KLF4, MYC, TBX3, NANOG, KLF4+MYC, SOX2+KLF4 transduced cells completely failed to form any iMSCs in the culture conditions we detailed in Methods.