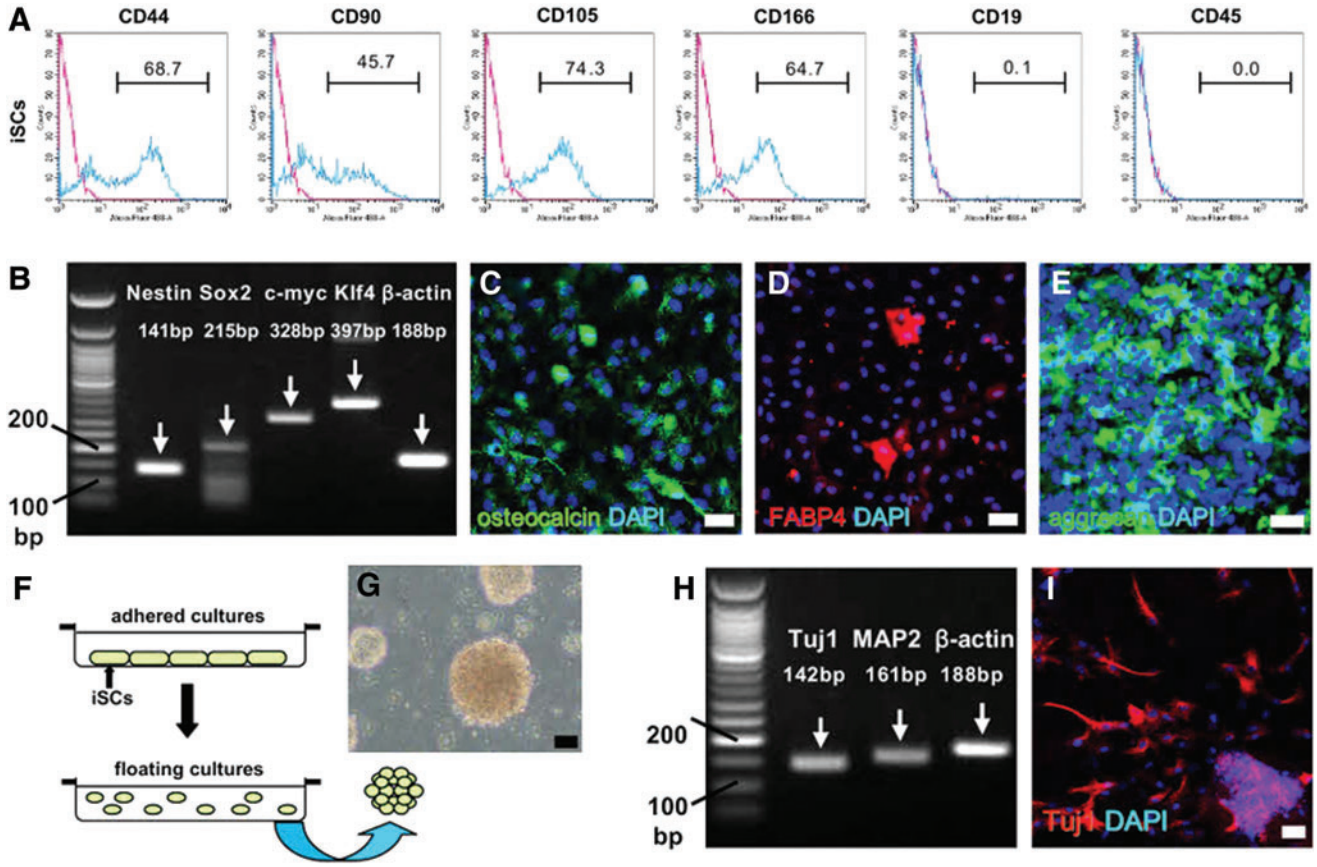

SUPPLEMENTARY FIG. S4. Multipotent stem cell activity of human iSCs obtained from the second patient. Putative human iSCs expressed multiple MSC markers as revealed by FACS (**A**). PCR analysis confirmed that iSCs expressed various stem cell markers (**B**). iSCs differentiated into multilineage cells, including osteocalcin$^+$ osteoblasts [osteocalcin (**C**: *green*) and DAPI (**C**: *blue*)], FABP4$^+$ adipocytes [FABP4 (**D**: *red*) and DAPI (**D**: *blue*)], and aggrecan$^+$ chondrocytes [aggrecan (**E**: *green*) and DAPI (**E**: *blue*)]. iSCs formed neurosphere-like cell clusters in suspended culture (**F, G**). PCR analysis confirmed that they expressed neuronal genes (**H**). Immunohistochemical analysis showed that the cell clusters differentiated into Tuj1$^+$ neuronal cells [Tuj1 (**I**: *red*) and DAPI (**I**: *red*)]. Scale bars = 50 μm (**C–E, G, I**). FACS, fluorescence-activated cell sorting; MSC, mesenchymal stem cell.