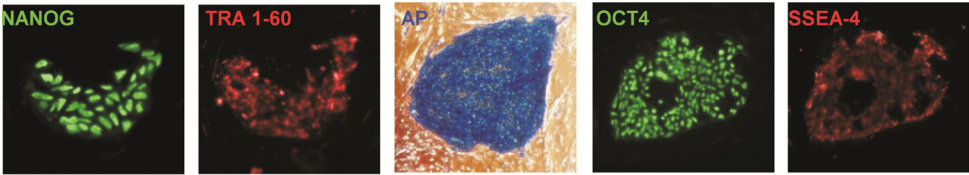
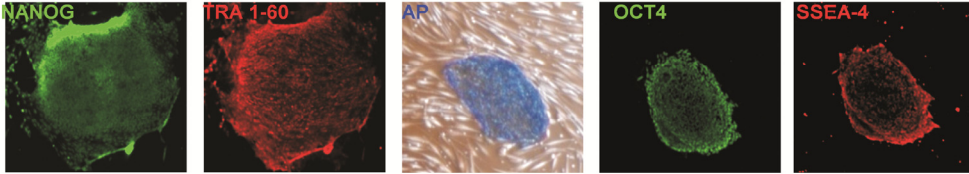


A)

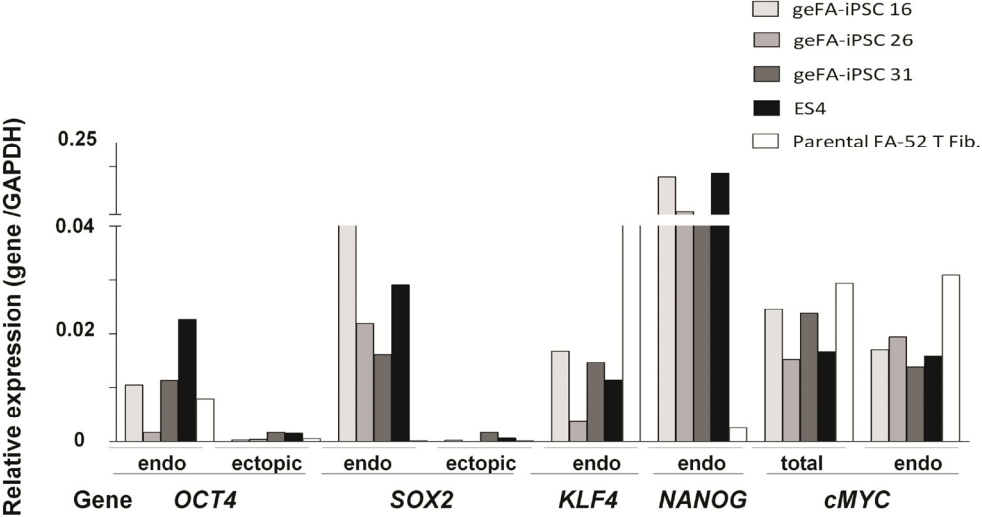
geFA-iPSCs: Clone 26



geFA-iPSCs: Clone 31



B)



C)

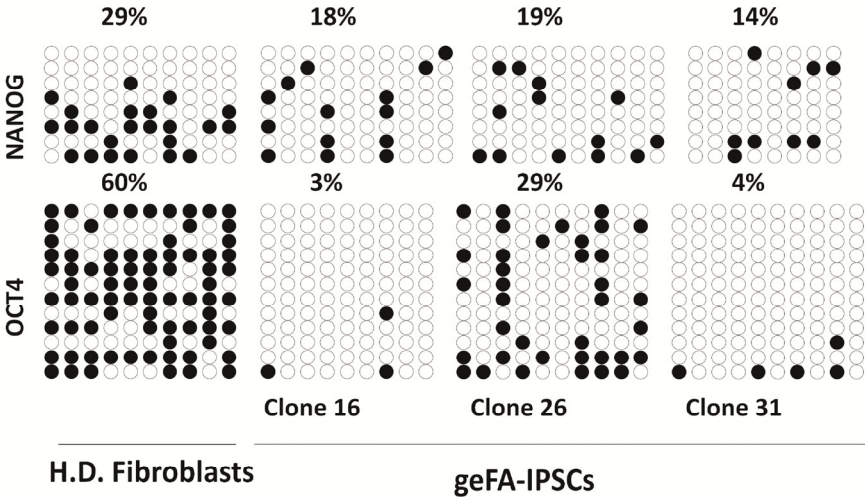


Figure S4: Pluripotency characterization of gene-edited FA-A iPSCs. **A)** Expression of TRA1-60, SSEA-4, OCT4 and NANOG pluripotency markers by immunofluorescence staining of gene edited iPSC clones 26 and 31. **B)** RT-qPCR analysis of *NANOG*, *OCT4*, *SOX2*, *KLF4* and *cMYC* in geFA-iPSCs (clones 16, 26 and 31). Levels of expression were normalized to a constitutive gene (GADPH). **C)** Bisulfite sequencing analysis of *OCT4* and *NANOG* promoters in ge-FA-iPSCs 16, ge-FA-iPSCs 26 and ge-FA-iPSCs 31 in comparison with healthy donor (H.D.) fibroblasts. White circles represent unmethylated CpG dinucleotides while black circles represent methylated CpG dinucleotides. Total percentage of methylated CpG of all the test clones is also shown.