

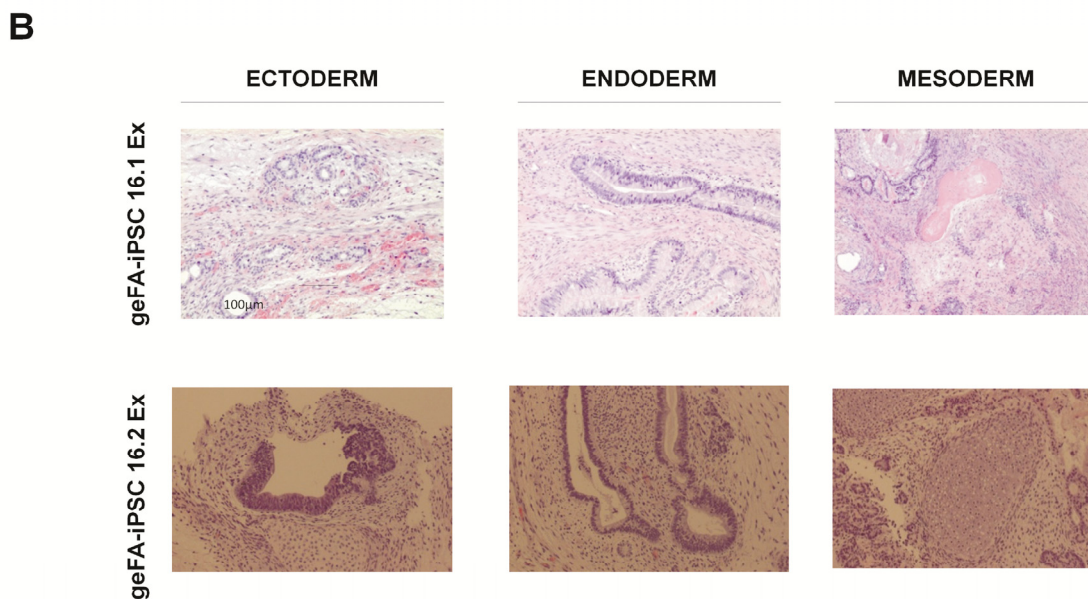
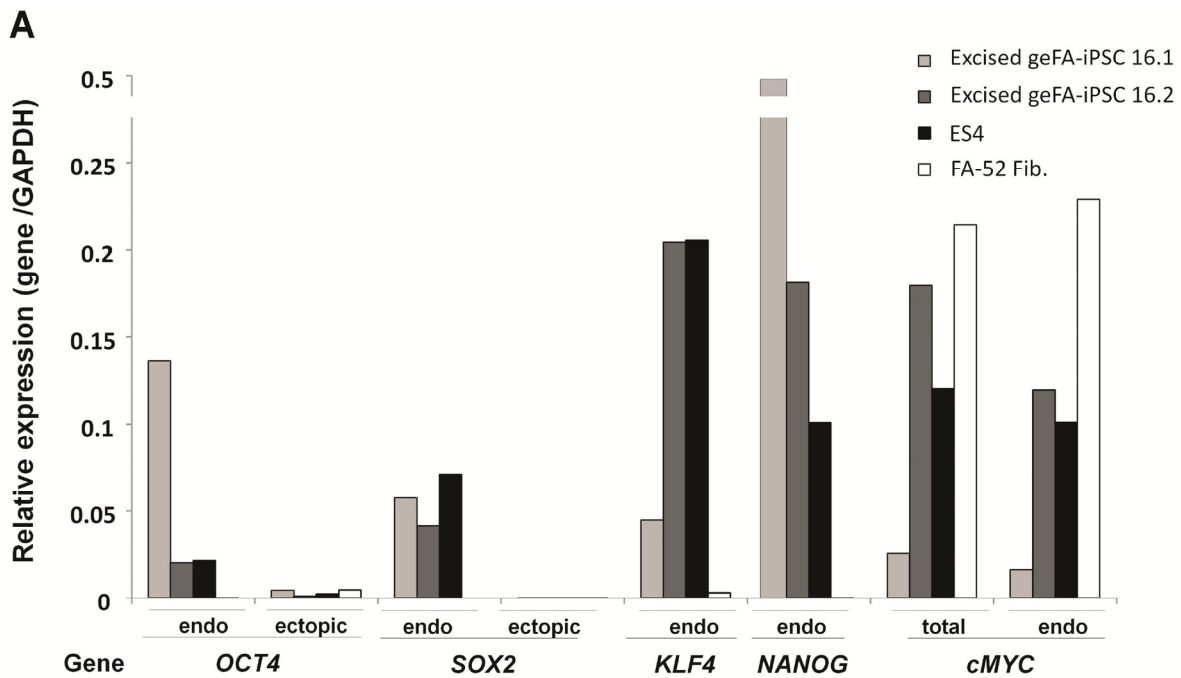


Figure S6. Characterization of two clones obtained from geFA-iPSC clone 16 after Cre-excision of the reprogramming and hTERT proviruses. A) RT-qPCR analysis of the expression of endogenous and ectopic pluripotency-related genes in excised geFA-iPSC clone 16.1 and 16.2. *NANOG*, *OCT4*, *SOX2*, *KLF4* and *cMYC*. Levels of

expression were normalized to a constitutive gene (GADPH). ES4 control line and FA-52 fibroblasts were included as controls. **B)** Hematoxylin and eosin staining of teratoma sections generated from geFA-iPSC 16 after excision of the reprogramming and hTERT proviruses, showing tissues representing the three germ layers (ecto-, meso- and endoderm) in both excised geFA-iPSC clone 16.1 and 16.2.