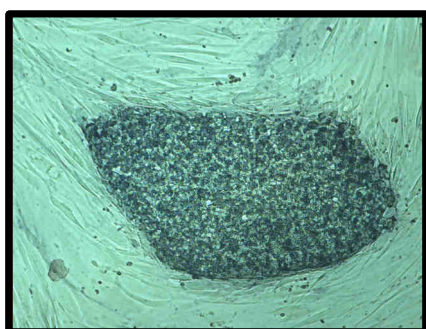
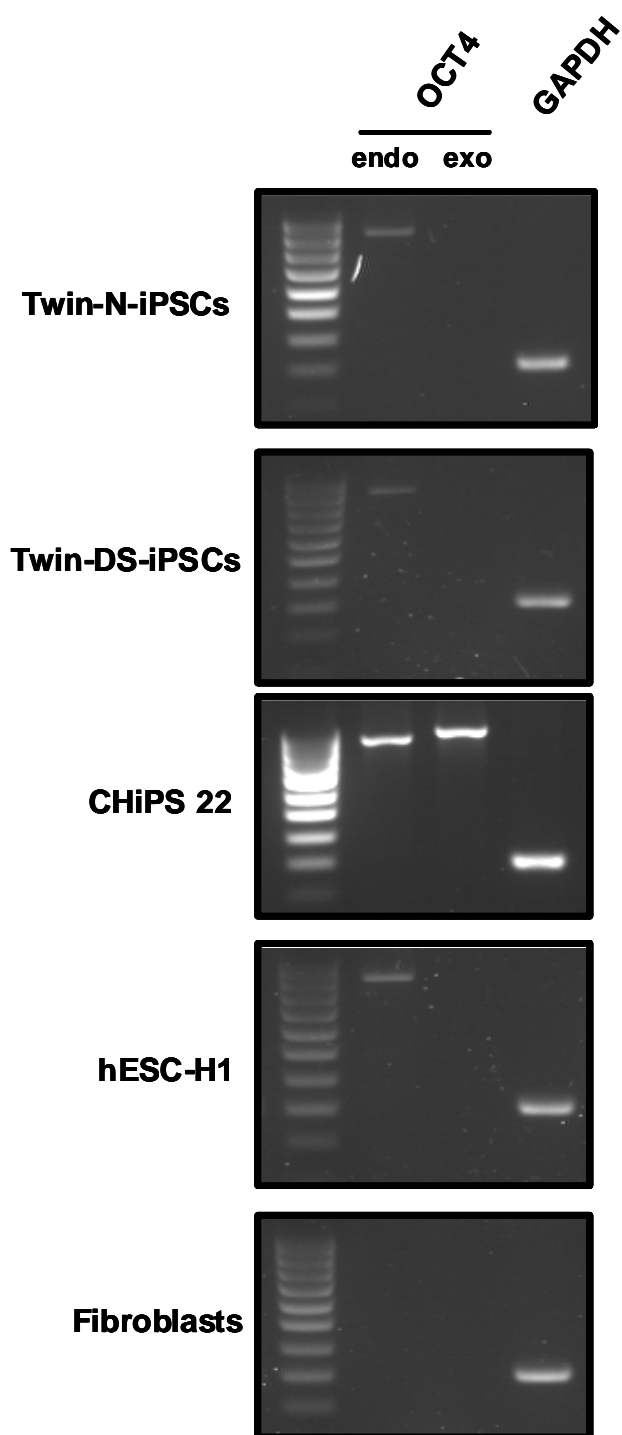


A**Twin-N-iPSCs****Twin-DS-iPSCs****B**

Supporting Information Fig 1. Additional controls validating the successful reprogramming and generation of Twin-N-iPSCs and Twin-DS-iPSCs.

(A) Alkaline phosphatase activity staining of Twin-N-iPSCs and Twin-DS-iPSCs.

(B) Transgene silencing in Twin-N-iPSCs and Twin-DS-iPSCs. As control, the iPSC line ChiPS22 showed the absence of transgene silencing (see Grad I *et al.*, 2011). The human embryonic stem hESC-H1 expressed only endogenous *OCT4* whereas the parental fibroblasts did not expressed *OCT4*.