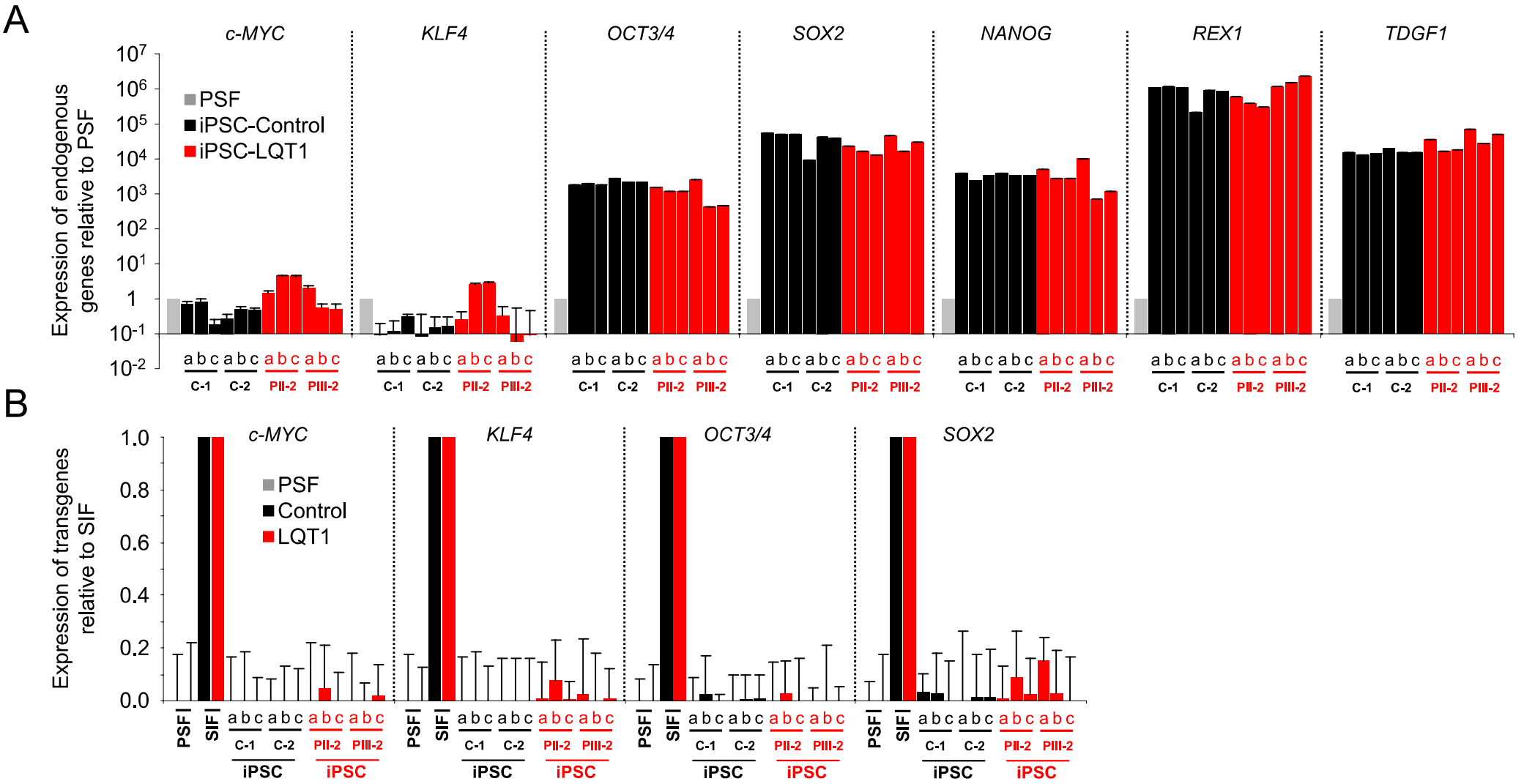
Supplementary Figure 1




**Supplementary Figure 1. Re-expression of endogenous genes associated with pluripotency and silencing of the transgenes in induced pluripotent stem cell (iPSC) clones from control and LQT1 individuals.**

Panel A shows qRT-PCR analysis of the endogenous pluripotency associated genes (*c-MYC*, *KLF4*, *OCT3/4*, *SOX2*, *NANOG*, *REX1*, and *TDGF1*) revealing similar activation of these genes in all three iPSC clones (a, b, and c) derived from each control individual (C-1 and C-2, black bars) and LQT1 patient (PII-2 and PIII-2, red bars). Expression values are relative to corresponding primary skin fibroblasts (PSF, grey bars). Panel B shows qRT-PCR analysis of the four transgenes used for the reprogramming, *c-MYC*, *KLF4*, *OCT3/4*, and *SOX2*, in all three iPSC clones (a, b, and c) derived from each control individual (C-1 and C-2, black bars) and LQT1 patient (PII-2 and PIII-2, red bars). Transgenes silencing is demonstrated by expression levels similar to parental PSF (C-1 and PII-2). Expression values are relative to skin fibroblasts after the retroviral infection (SIF, C-1 and PII-2). Expression values in panels A and B are normalized to *GAPDH* and are presented as mean ± SE, n=3.