



**Supplementary Figure 2. Up-regulation of lineage markers representative of the three embryonic germ layers in induced pluripotent stem cell (iPSC) clones from control and LQT1 individuals.**

The bar graph shows qRT-PCR analysis of markers of the three different germ layers, endoderm (*PDX1*, *SOX7*, and *AFP*), mesoderm (*CD31*, *DES*, *ACTA2*, *SCL*, *MYL2*, and *CDH5*), and ectoderm (*KRT14*, *NCAM1*, *TH*, and *GABRR2*) in embryoid bodies (EBs) at day 21 of differentiation from three iPSC clones (a, b, and c) derived from each control individual (C-1, black bars and C-2, grey bars) and LQT1 patient (PII-2, light red bars and PIII-2, dark red bars). Gene expression values are relative to corresponding undifferentiated iPSC clones, normalized to *GAPDH*, and presented as mean  $\pm$  SE, n=3.