ESM Fig. 8: (a-b) Immunofluorescent staining for insulin (red), glucagon (blue), glucagon-like peptide-1 receptor (GLP-1R green) and DAPI (white). (a) GLP-1R immunoreactivity was restricted to mature insulin-positive β-cells in an adult mouse pancreas (C57BL/6). Scale bar, 50 µm. (b) GLP-1R immunoreactivity was detected in insulin-positive cells at stage 4 day 4 (S4D4) of hESC differentiation and also in an insulin-negative cell population pre-transplant. Scale bar, 100 µm. (c) Gene expression of GLP-1R was higher in differentiated cells at S4D4 (red bars) compared to undifferentiated hESCs (black bar), but substantially lower than in adult human islets (blue bar).