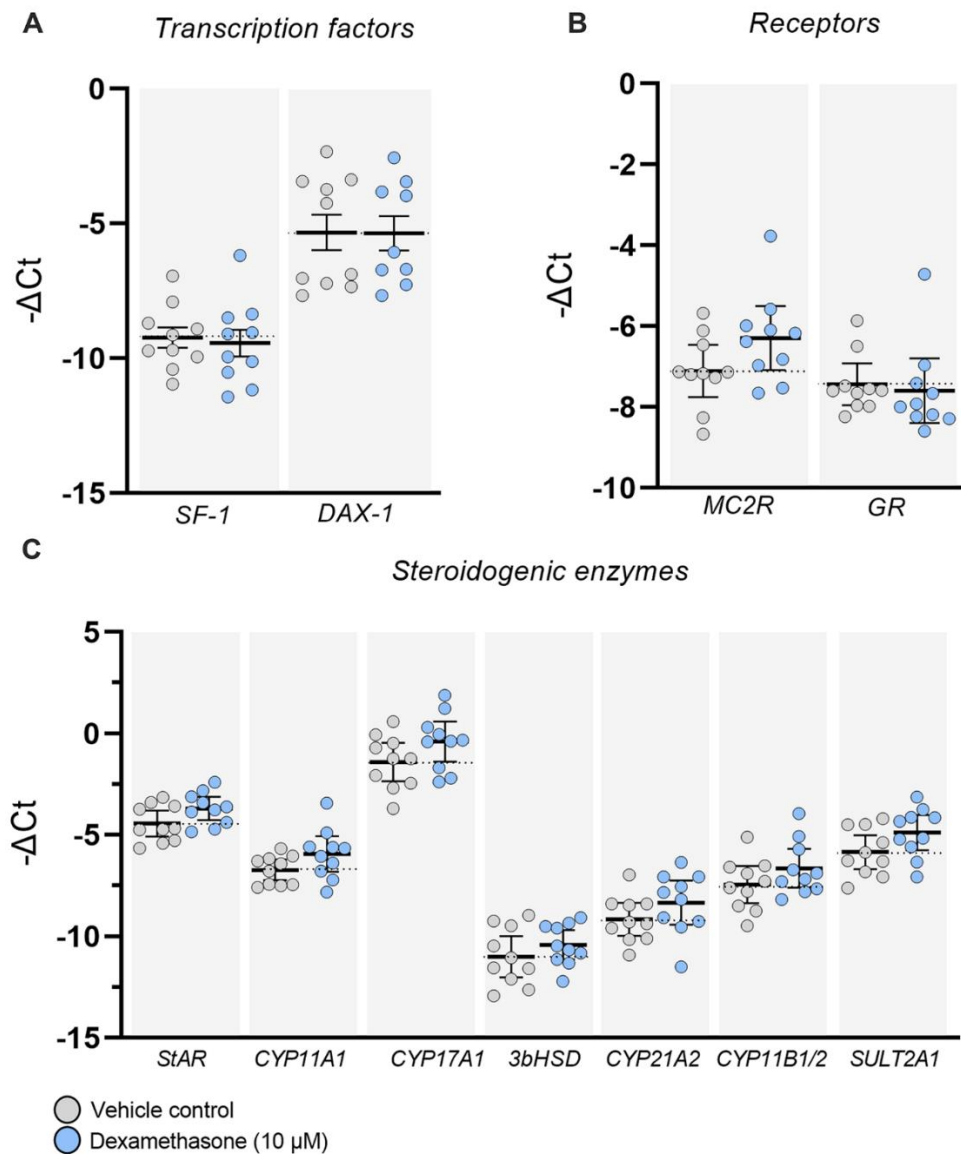


Supplementary Material

Supplementary Figure 1.



**Supplementary Figure 1. Effects of DEX-treatment on gene transcript levels in *ex vivo* cultured human fetal adrenals.** Transcript expression levels are shown as  $-\Delta Ct$  expression levels ( $-\Delta Ct = Ct(\textit{Housekeeping gene}) - Ct(\textit{gene of interest})$ ) for **A**) transcription factors (*SF-1* and *DAX-1*), **B**) receptors (*MC2R* and *GR*) and **C**) enzymes important for adrenal steroidogenesis (*StAR*, *CYP11A1*, *CYP17A1*, *3 $\beta$ HSD2*, *CYP21A2*, *CYP11B1/2* and *SULT2A1*) examined in *ex vivo* cultured HFA tissue cultured with DEX (10  $\mu$ M) for 14 days (Experimental setup A). Tissue from 1-11 fragments were

pooled per sample and treatment depending on the initial size of half of the adrenal gland and quantitative reverse transcription polymerase chain reaction analysis was performed. Transcript expression is relative to the internal reference gene *RPS20*. Values are shown as mean with 95% CI, n = 10 fetuses. Significant differences between DEX treated and vehicle controls from the same fetus were examined by paired t-test.