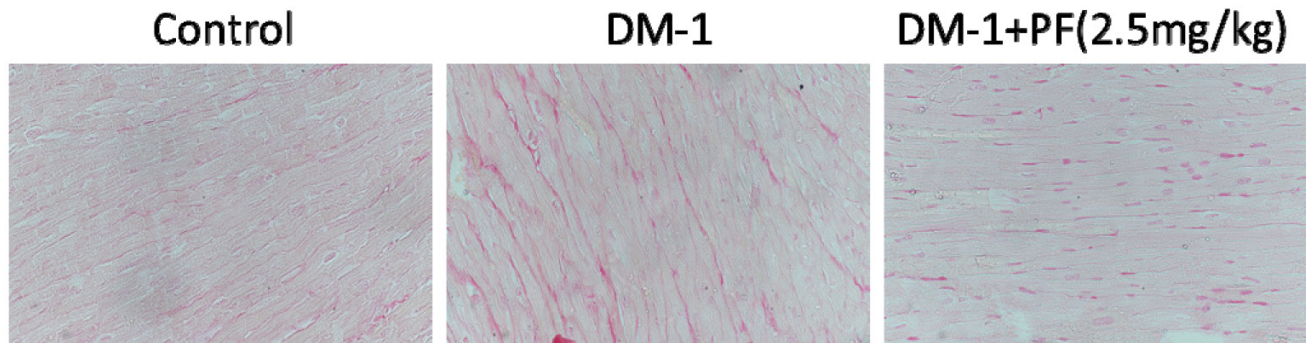


11 β -HSD1 inhibition ameliorates diabetes-induced cardiomyocyte hypertrophy and cardiac fibrosis through modulation of EGFR activity

SUPPLEMENTARY MATERIALS



Supplementary Figure 1: PF reduced cardiac fibrosis in STZ-induced type 1 diabetic mice. Diabetes was induced in male C57/BL6 mice by a single intraperitoneal (i.p.) injection of STZ (100mg/kg). Diabetic mice (blood glucose >12 mmol/L) were treated with 11 β -HSD1 inhibitor PF-915275 (PF, 2.5 mg/kg) or vehicle by oral gavage once every 2 days for 11 weeks (n = 8 in each group). Representative images of Sirius Red staining for heart tissue sections are shown (red color = collagen).

Supplementary Table 1: Primers used in real-time qPCR assay

Gene	Species	FW	RW
ANP	Rat	GAGGAGAAGATGCCGGTAG	TCAGAGAGGGAGCTAAGTG
BNP	Rat	TTCCGGATCCAGGAGAGACTT	CCTAAAACAACCTCAGCCCGT
β -Actin	Rat	AAGTCCCTCACCTCCAAAAG	AAGCAATGCTGTACCTTCCC
TGF- β	Mouse	TGACGTCACTGGAGTTGTACGG	GGTTCATGTCATGGATGGTGC
Collagen1	Mouse	TGGCCTTGGAGGAACTTTG	CTTGAAACCTTGTGGACCAG
α -MyHC	Mouse	CGAGTCCCAGGTCAACAAG	AGGCTCTTTCTGCTGGACA
β -Actin	Mouse	CCGTGAAAAGATGACCCAGA	TACGACCAGAGGCATACAG