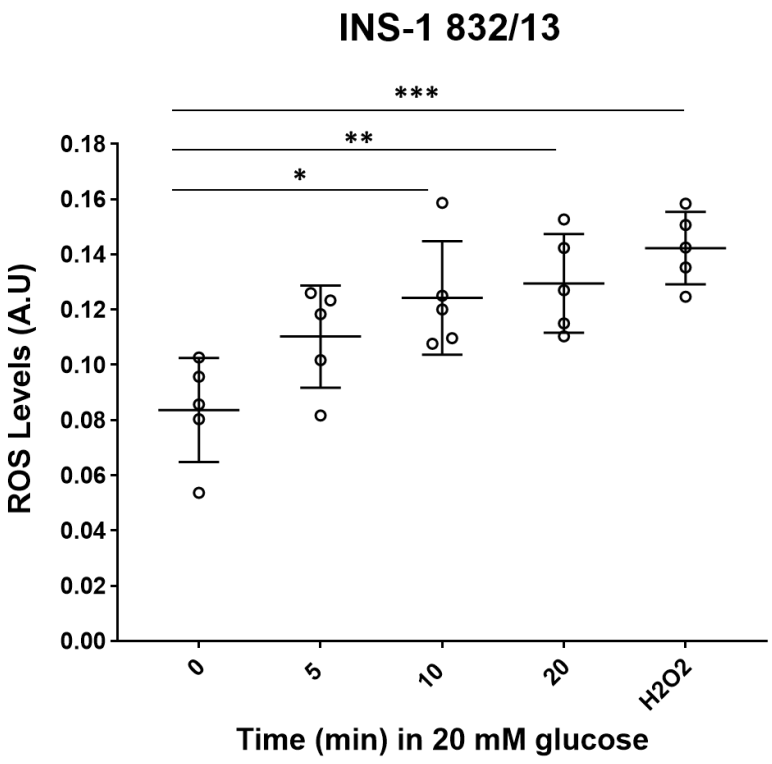
Supplemental Figures

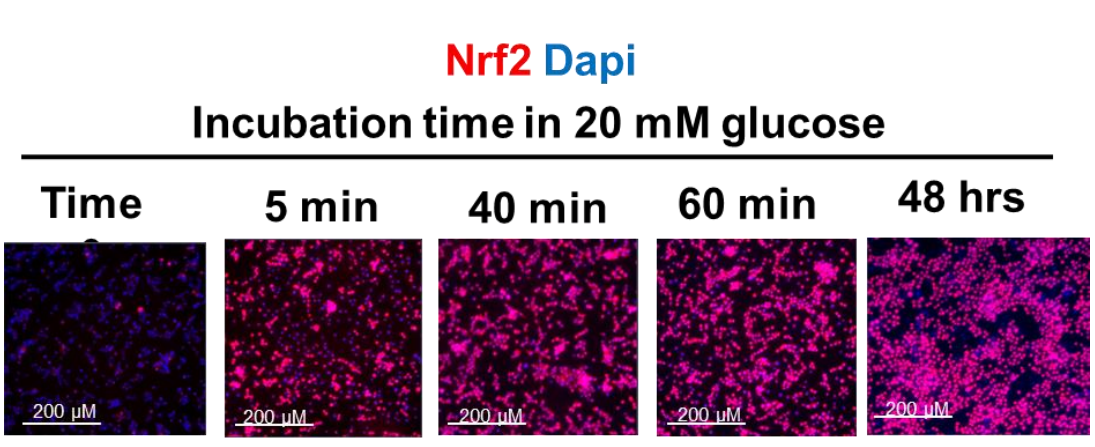
Nrf2 Regulates β-cell Mass by Suppressing β-Cell Death and Promoting β-Cell Proliferation

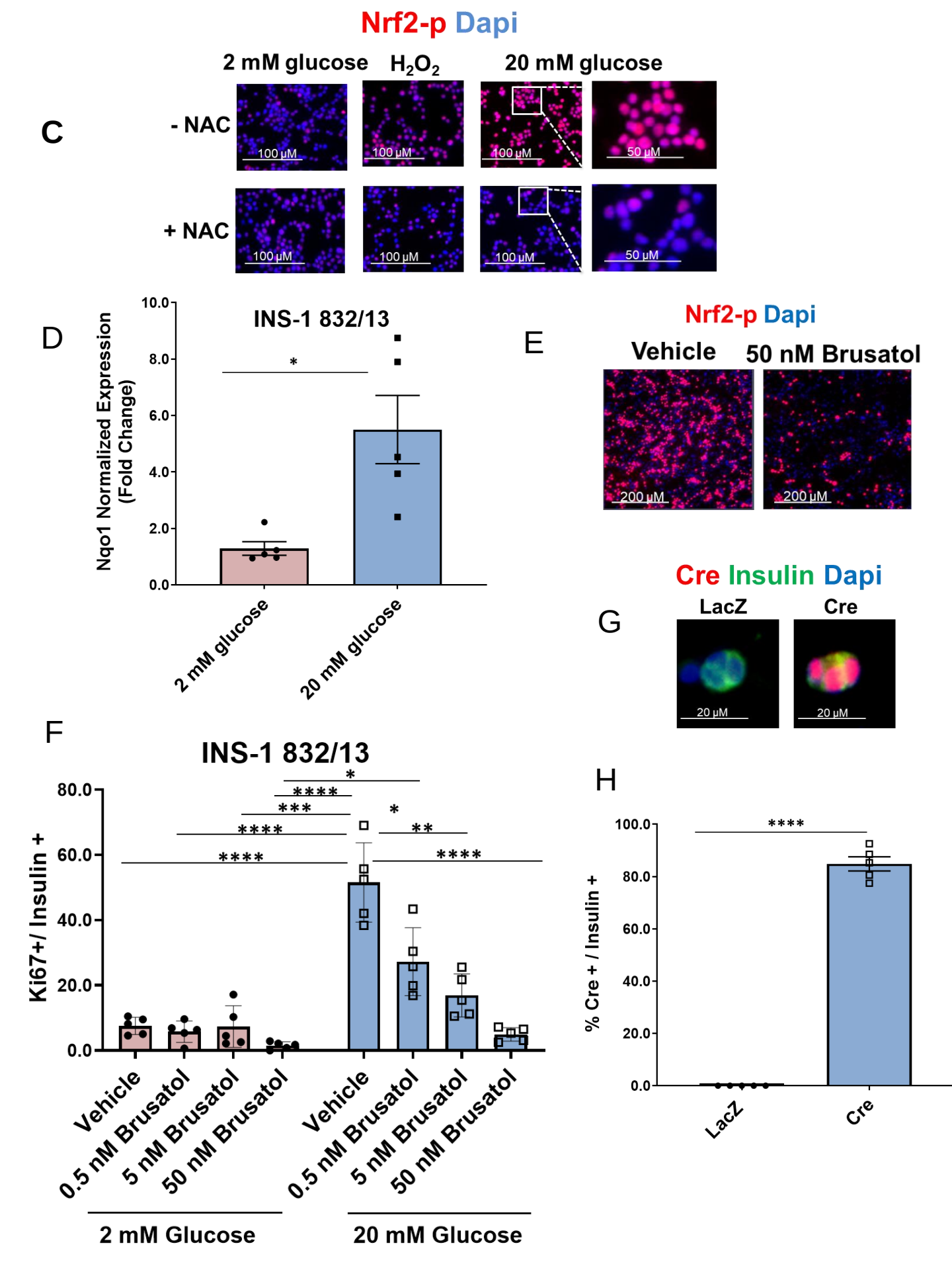
Supplemental Figure 1

A



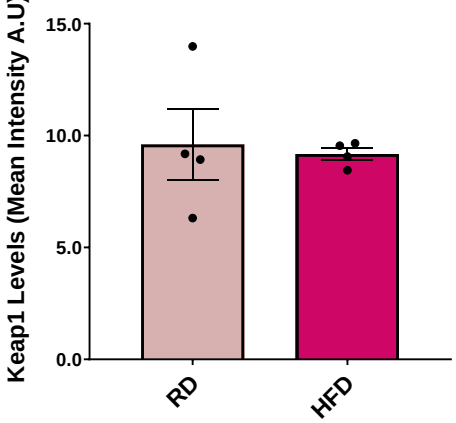
B



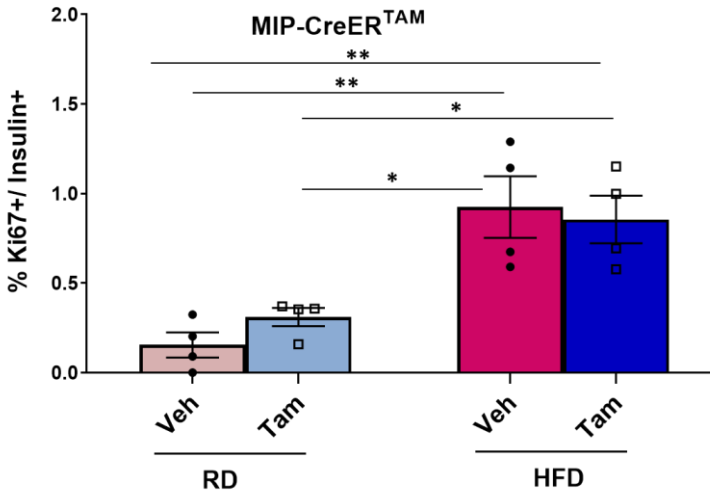

Nrf2-p Dapi
2 mM glucose
H_2O_2
20 mM glucose
C
- NAC
+ NAC
100 µM
50 µM
D
INS-1 832/13
Nqo1 Normalized Expression (Fold Change)
2 mM glucose
20 mM glucose
E
Nrf2-p Dapi
Vehicle
50 nM Brusatol
200 µM
G
Cre Insulin Dapi
LacZ
Cre
20 µM
F
INS-1 832/13
Ki67+/ Insulin +
Vehicle
0.5 nM Brusatol
5 nM Brusatol
50 nM Brusatol
2 mM Glucose
20 mM Glucose
H
% Cre + / Insulin +
LacZ
Cre

Supplemental Figure 2

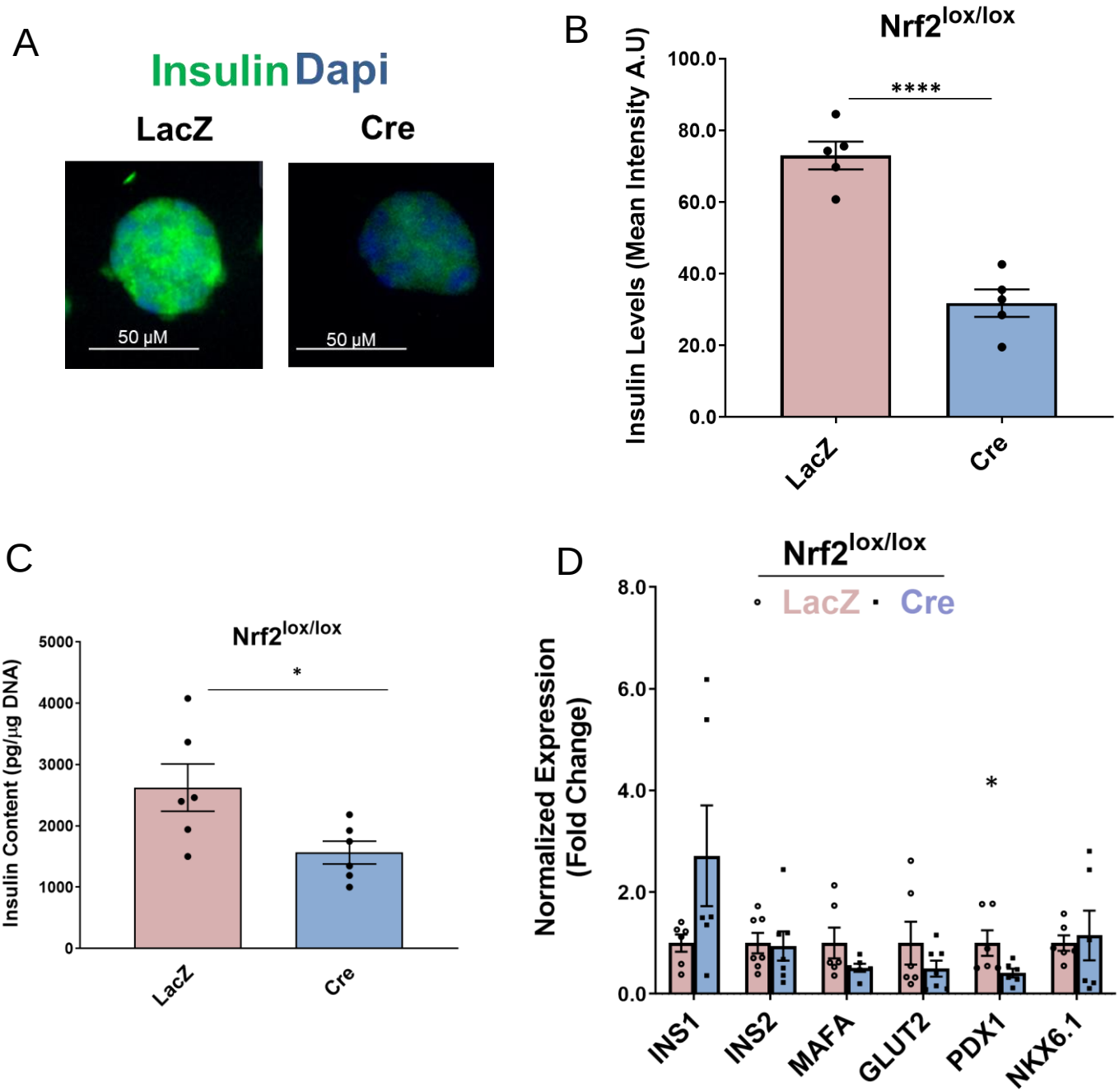
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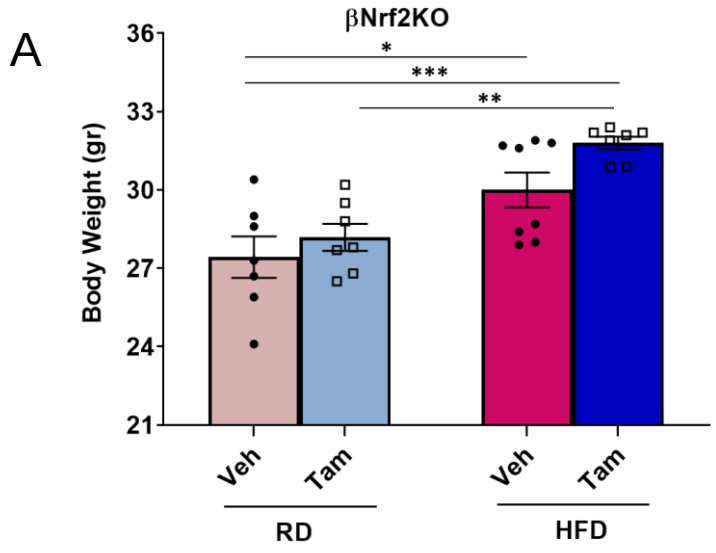
B

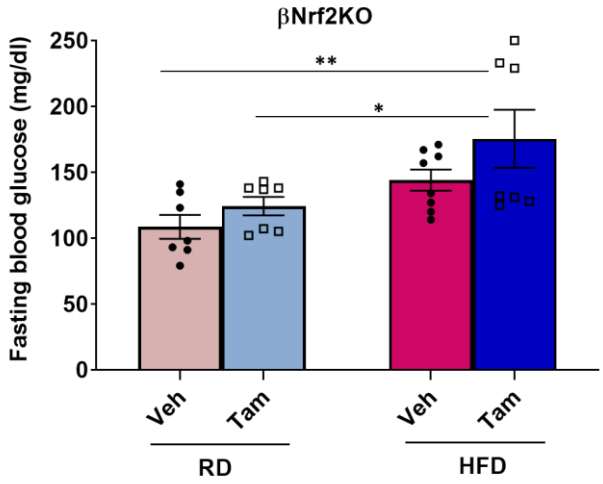


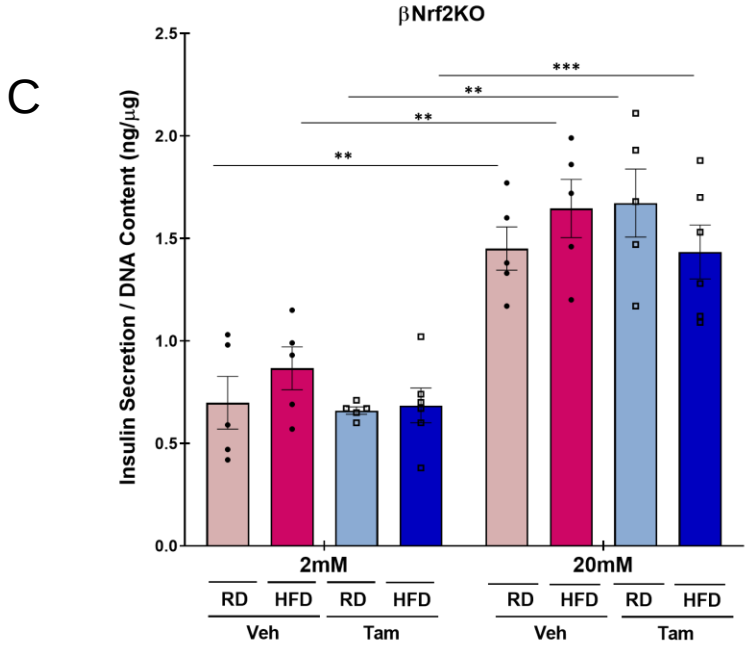
Supplemental Figure 3

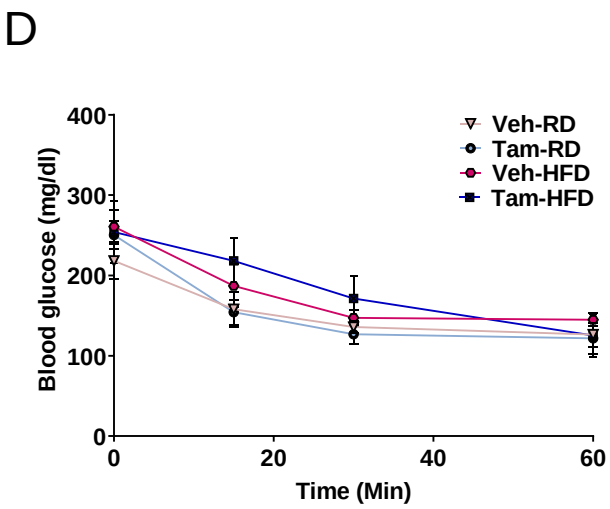


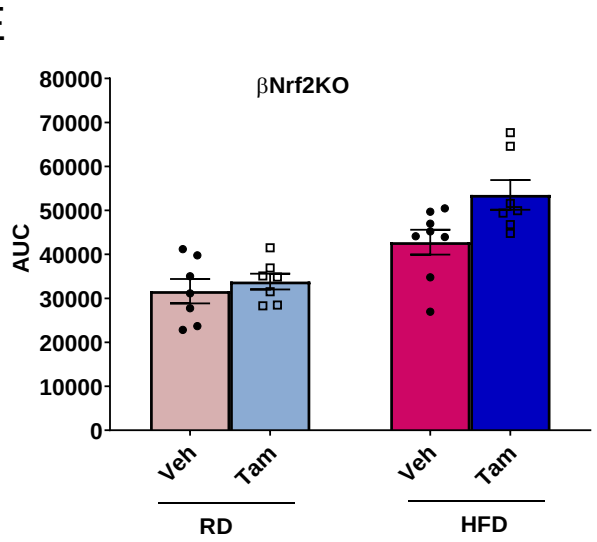
Supplemental Figure 4



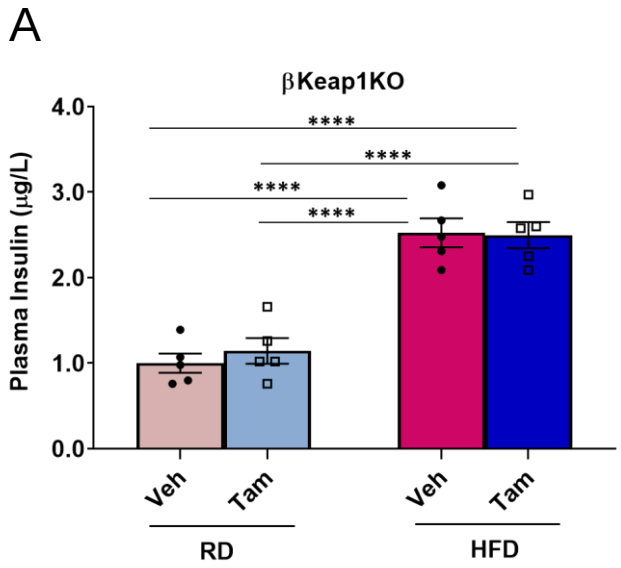


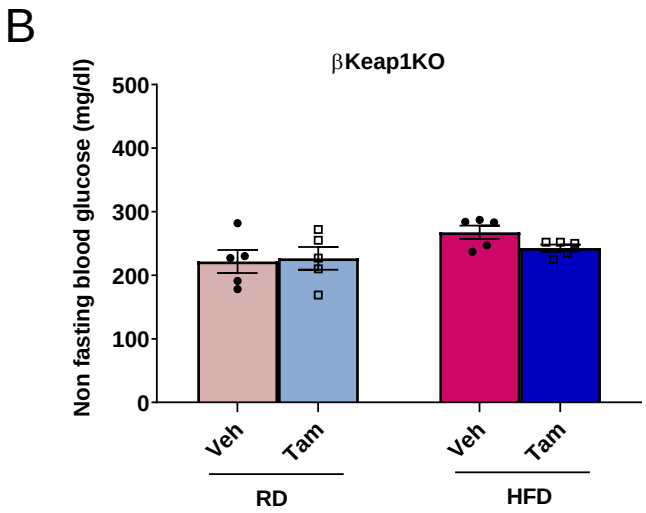


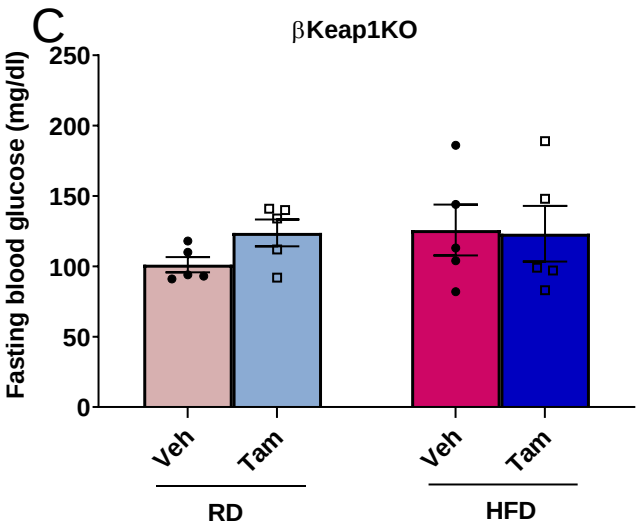


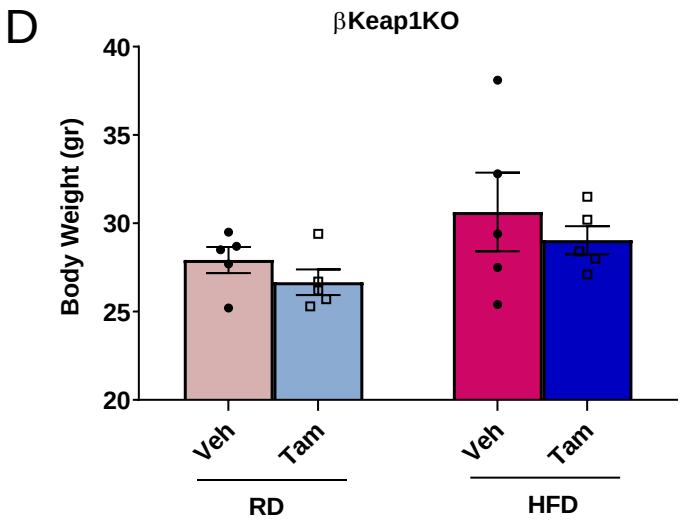


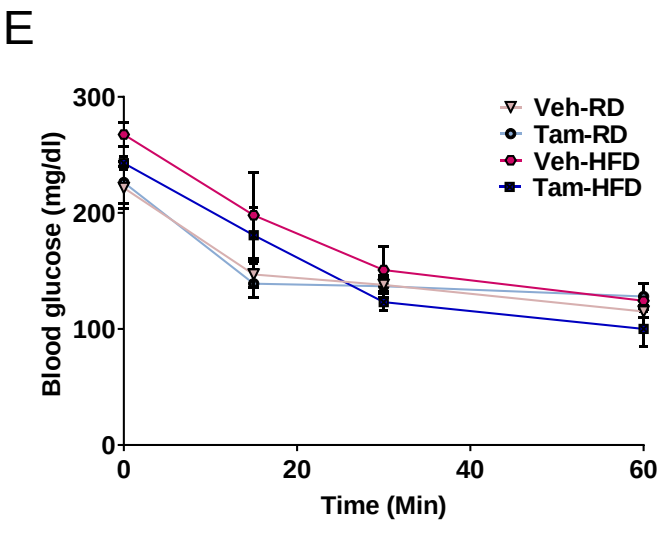
Supplemental Figure 5

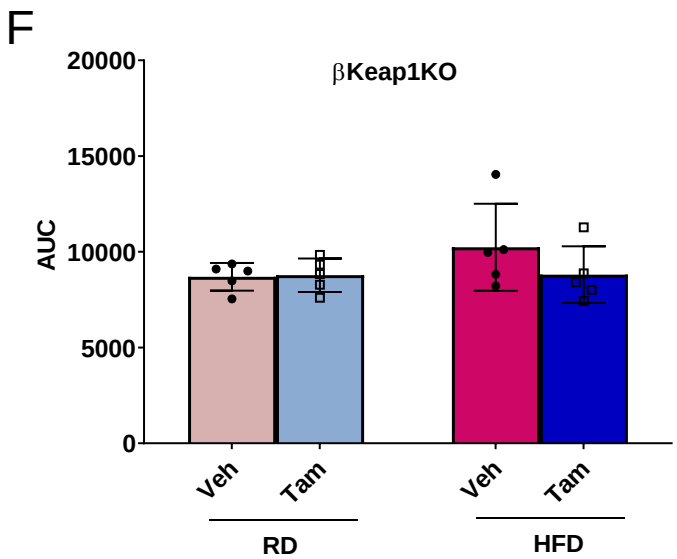




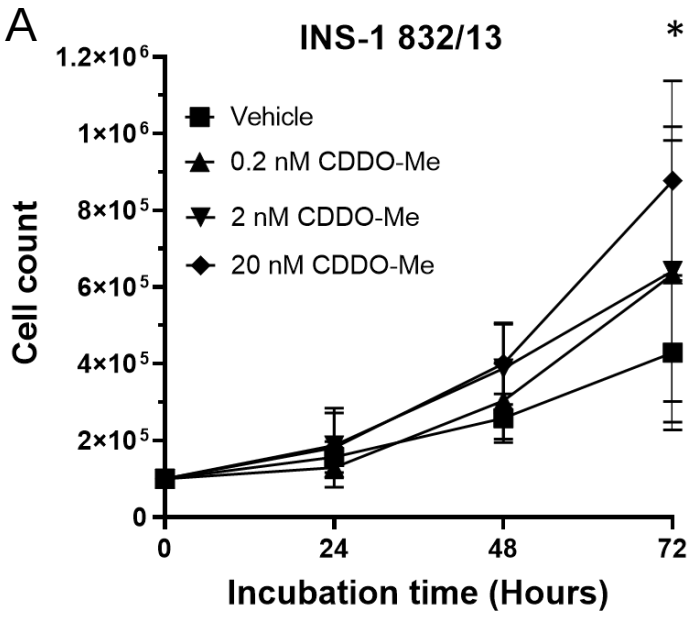


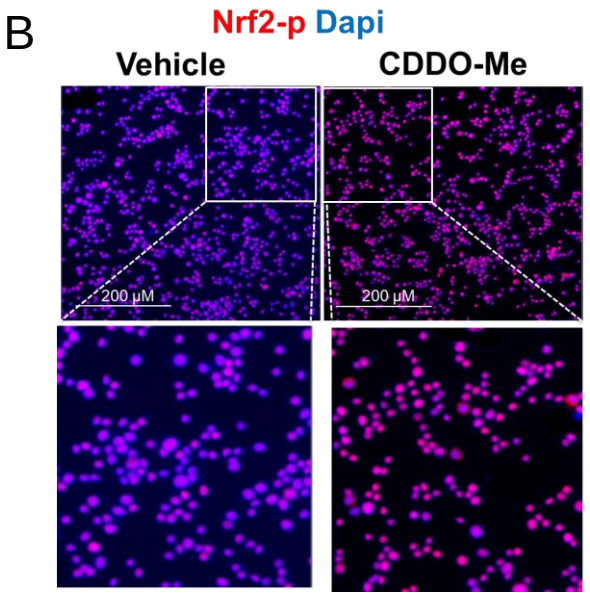


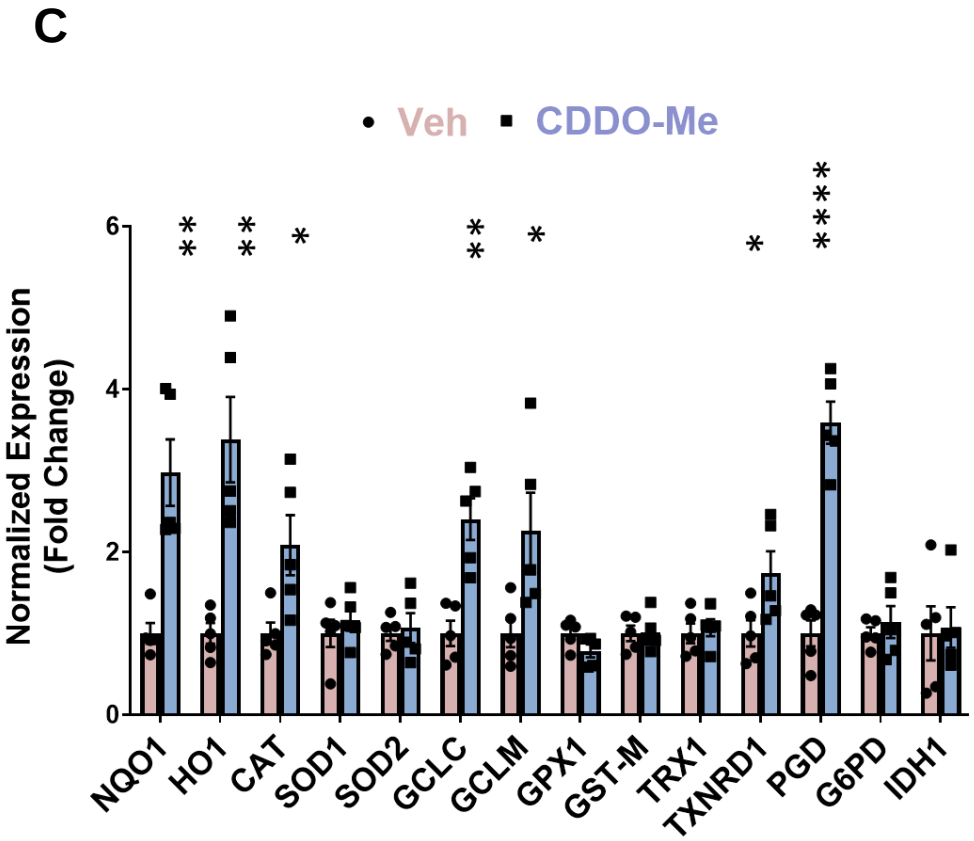




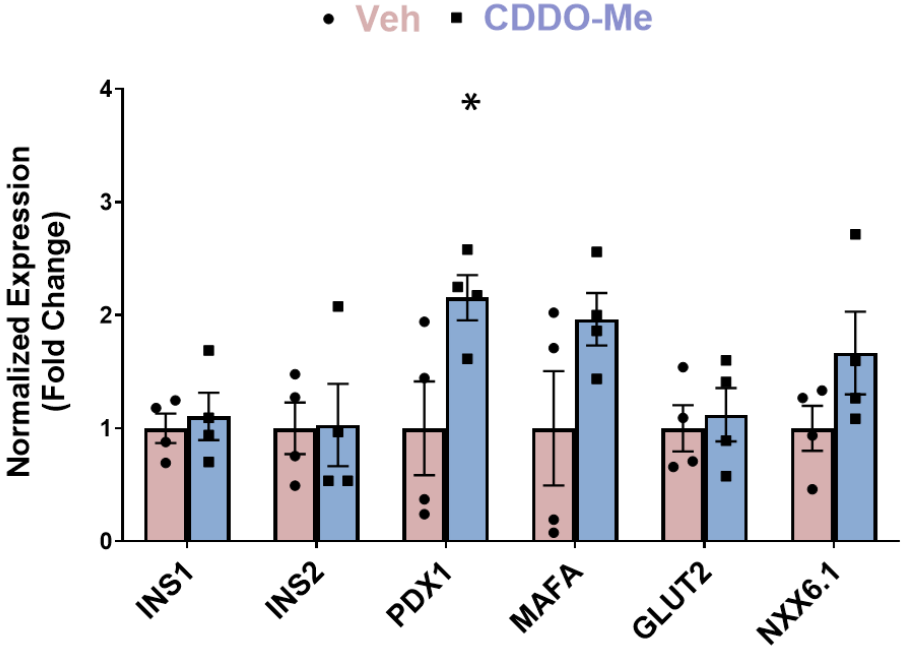
Supplemental Figure 6



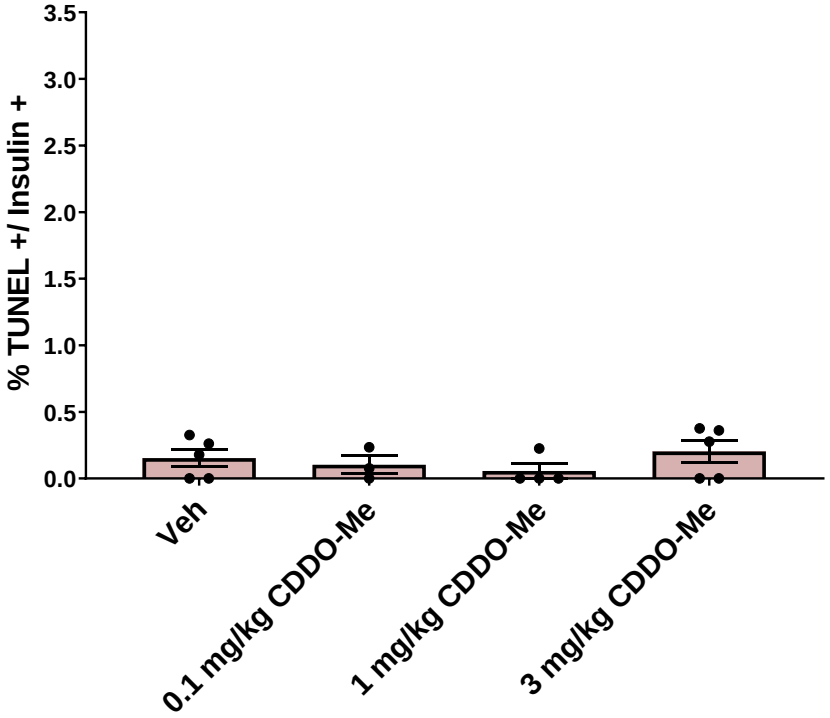




D


Veh
CDDO-Me
Normalized Expression
(Fold Change)
*
INS1
INS2
PDX1
MAFA
GLUT2
NXX6.1

E


% TUNEL +/ Insulin +
Veh
0.1 mg/kg CDDO-Me
1 mg/kg CDDO-Me
3 mg/kg CDDO-Me