Figure 3

A

Glucose infusion rate (mg/kg/min) over time (min).

B

Rg (μg/min/kg) for different conditions with error bars.

C

Endogenous glucose turnover rate (mg/kg/min) over time (min).

D

Endogenous glucose turnover (mg/kg/min) for different conditions.
Figure 5

A

B

C

D

E

F

G

H

I

J

K

L
Figure 6

(A) ROS release levels
(B) DHE fluorescence (AU)
(C) NOX2 expression (adjusted by β-actin)

(D) NADPH oxidase activity (% of control)
Supplementary Figure 3

A

B

% expression (corrected for β-actin)

pIran IR pIRS1 IRS1 pIRS2 IRS2

kDa

Control

EC5Shp2+/−

pIR IR pIRS1 IRS1 pIRS2 IRS2

B-actin

kDa 90

Control SHP2

Insulin

pIR activation after insulin stimulation (% of basal)

Control Control+Insulin EC5Shp2+/− EC5Shp2+/−+Insulin

kDa 150

Control SHP2

Insulin

pIRS1 activation after insulin stimulation (% of basal)

Control Control+Insulin EC5Shp2+/− EC5Shp2+/−+Insulin

kDa 150

Control SHP2

Insulin

pIRS2 activation after insulin stimulation (% of basal)

Control Control+Insulin EC5Shp2+/− EC5Shp2+/−+Insulin