Deficiency of FcεR1 increases body weight gain but improves glucose tolerance in diet-induced obese mice

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Figure 1

A

Log [IgE] Concentration (ng/mL)

BMI

Rho = -0.33
P = 0.018

B

Log [IgE] Concentration (ng/mL)

Body weight (kg)

Rho = -0.34
P = 0.016

C

Log [IgE] Concentration (ng/mL)

Body fat mass (kg)

Rho = -0.34
P = 0.023
Figure 3
Figure 5

A

FccR1α mRNA (fold change)

Adipogenesis (day)

* P<0.001

B

FccR1α mRNA (fold change)

FccR1β mRNA (fold change)

FccR1γ mRNA (fold change)

Control

IgE (50 µg/mL)

C

Oil-red O (OD510nm)

IgE (µg/mL)

* P<0.01

** P<0.001

Positive

Negative

2 days

8 days

D

C/EBPα mRNA (fold change)

Day

IgE

P<0.001

P=0.007

E

PPARγ mRNA (fold change)

Day

IgE

P<0.001