Figure 1

A

B

C

D

E

F

G

H
Figure 2

A

- x-fold LMP4 mRNA
- x-fold NR1H3 mRNA
- x-fold SREBF1 mRNA

B

- x-fold SREBF1 protein

C

- fold change
- fold change

D

- fold change

E

- fold change

F

- Scatter plot

Figure 3

A

B

C

D

E

Figure 3

A

B

C

D

E

Figure 3

A

B

C

D

E
**Figure 4**

**A**

![Graph showing x-fold PPARα mRNA levels](image)

- si co
- si p62
- co-v
- p62

p-values:
- p = 0.91
- p = 0.02

**B**

![Graph showing Ppara/18s mRNA levels](image)

- wt
- p62 tg

p = 0.38

**C**

- Induction (experimentally shown)
- Induction
- Inhibition

Kessler et al., 2013

IGF2 → SREBF1 → ELOVL6 → C18:0/C16

Kumadaki et al., 2008

Matsuzaka et al., 2007

Thupari et al., 2001

Mabrouk et al., 1990

McGarry et al., 1983

Mitochondrial β-oxidation → malonyl-CoA → CPT1A activity

McGarry and Brown, 1997

ACACA activity:

Palmitoyl-CoA → C18:0/C16 → ACACA activity

Anderson and Borlak, 2008