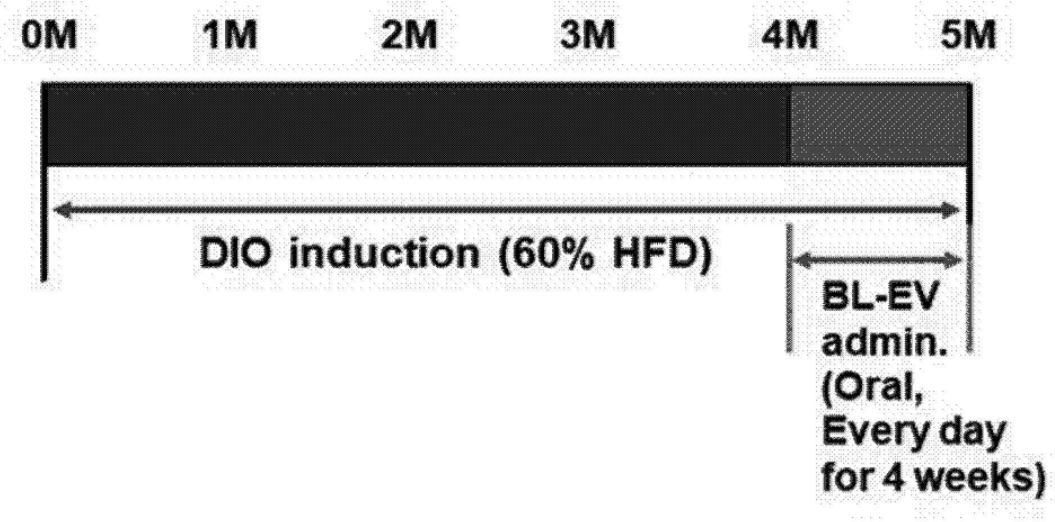
FIG. 1

Sample	Particle size (nm)[a]
BL-EV	162±6.0
BA-EV	112.1±45.6
BB-EV	102.8±34.1
BBR-EV	86.0±42.0
BLA-EV	97.9±40.7

[a]Determined using nanoparticle tracking analyzer

FIG. 2


0M
1M
2M
3M
4M
5M
DIO induction (60% HFD)
BL-EV admin. (Oral, Every day for 4 weeks)

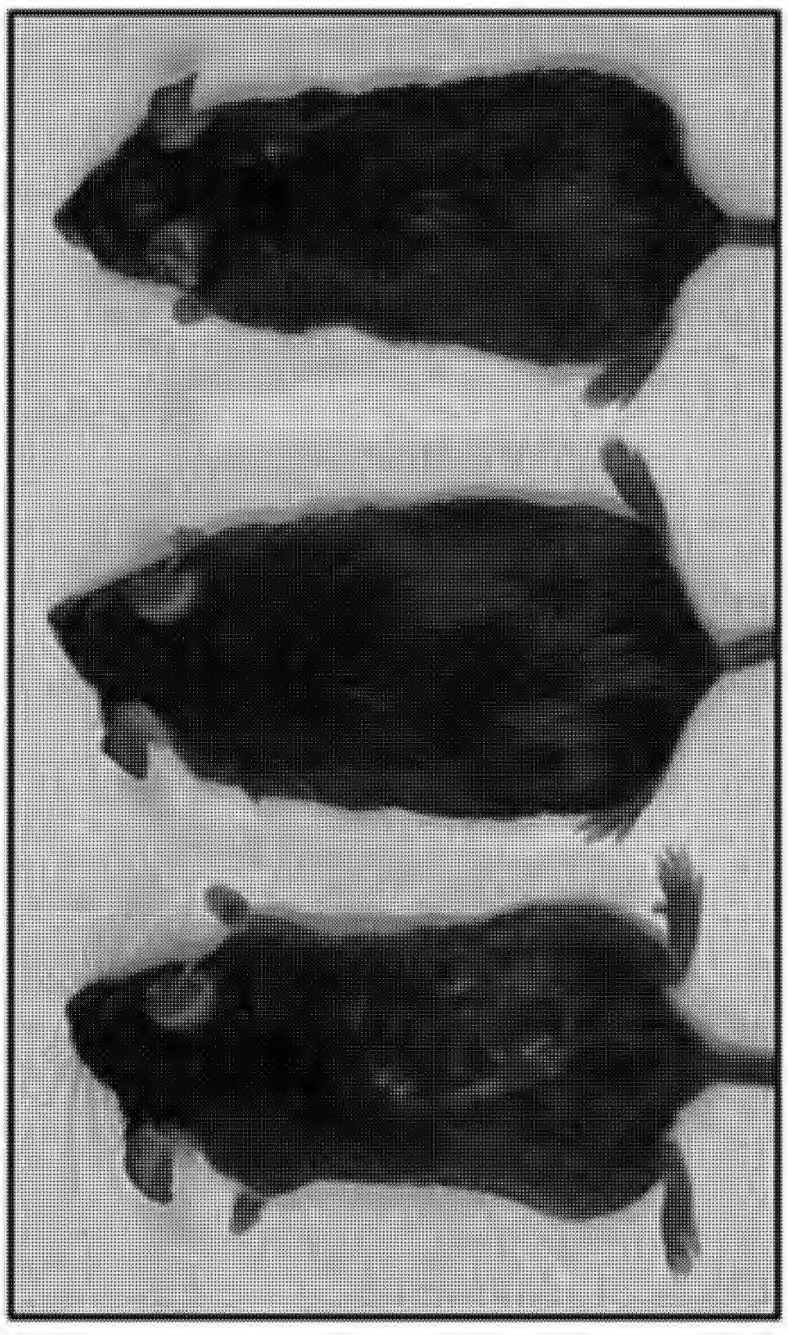


FIG. 3A

FIG. 3B

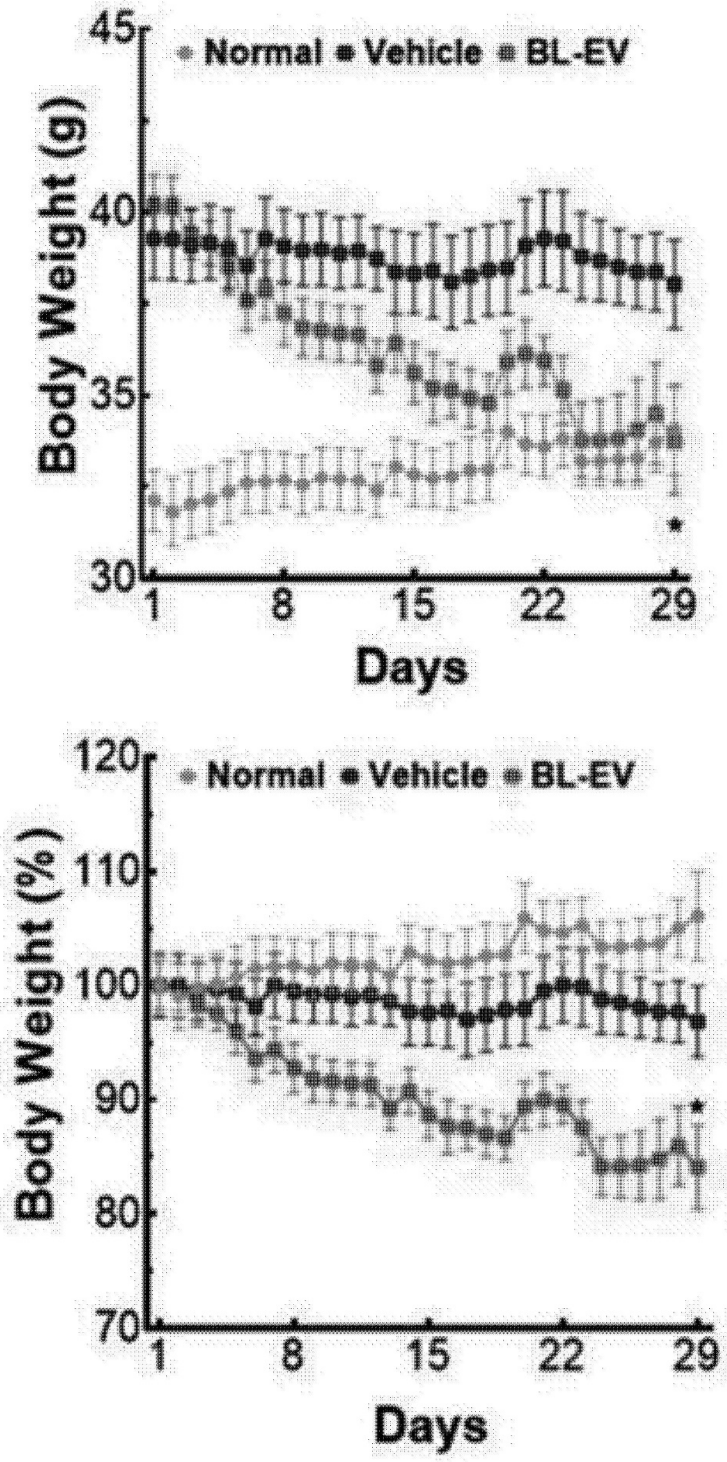

Normal
Vehicle
BL-EV
Body Weight (g)
45
40
35
30
1
8
15
22
29
Days
Normal
Vehicle
BL-EV
Body Weight (%)
120
110
100
90
80
70
1
8
15
22
29
Days

FIG. 3C

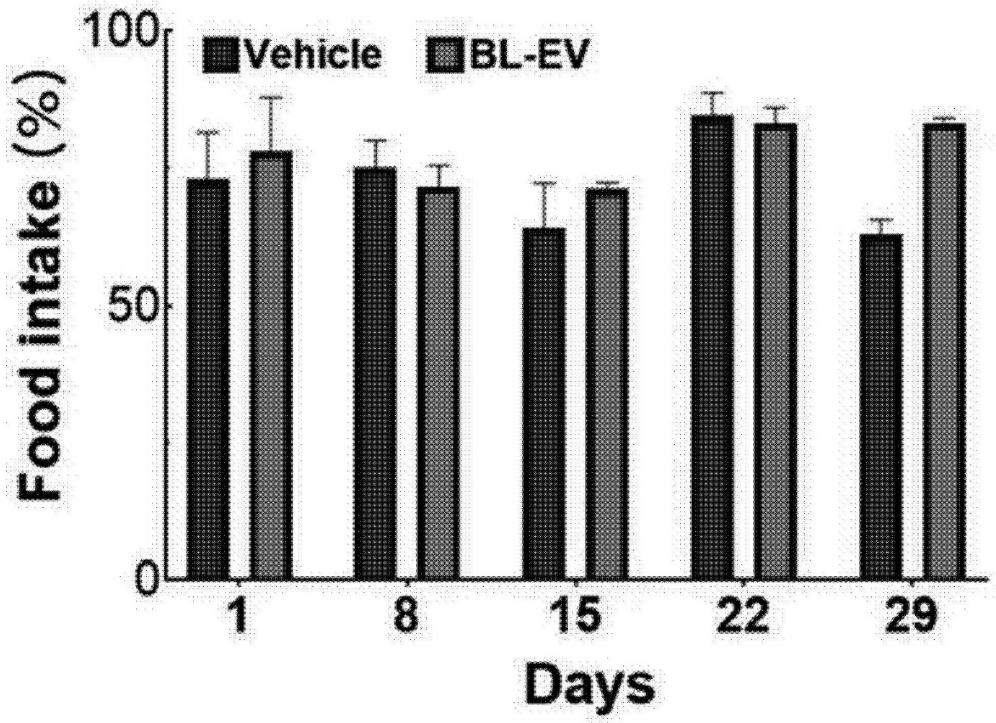


FIG. 3D

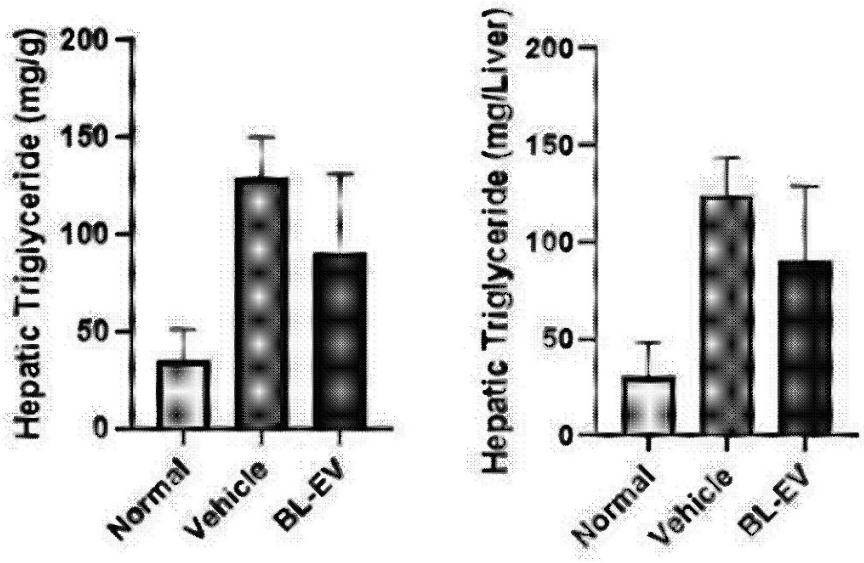
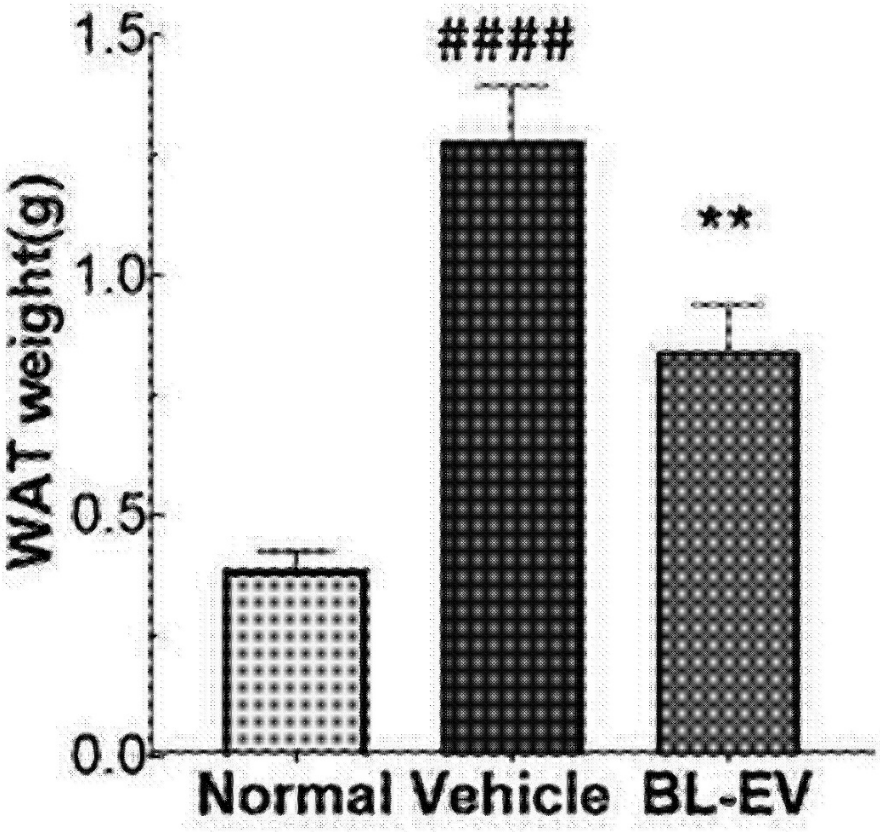

Hepatic Triglyceride (mg/g)
200
150
100
50
0
Normal
Vehicle
BL-EV
Hepatic Triglyceride (mg/Liver)
200
150
100
50
0
Normal
Vehicle
BL-EV

FIG. 3E

(mg/dl)	Normal			Vehicle			BL-EV		
	Mean	SEM	N	Mean	SEM	N	Mean	SEM	N
Triglyceride	107.8	10.5	5	78.2	13.8	5	65.8	5.8	5
HDL	86.4	4.4	5	106.8	5.2	5	96.8	15.8	5
LDL	14.4	2.1	5	18	2.1	5	19	3.6	5
Total Cholesterol	122.4	6.2	5	140.4	4.2	5	129.0	12.1	5

FIG. 3F



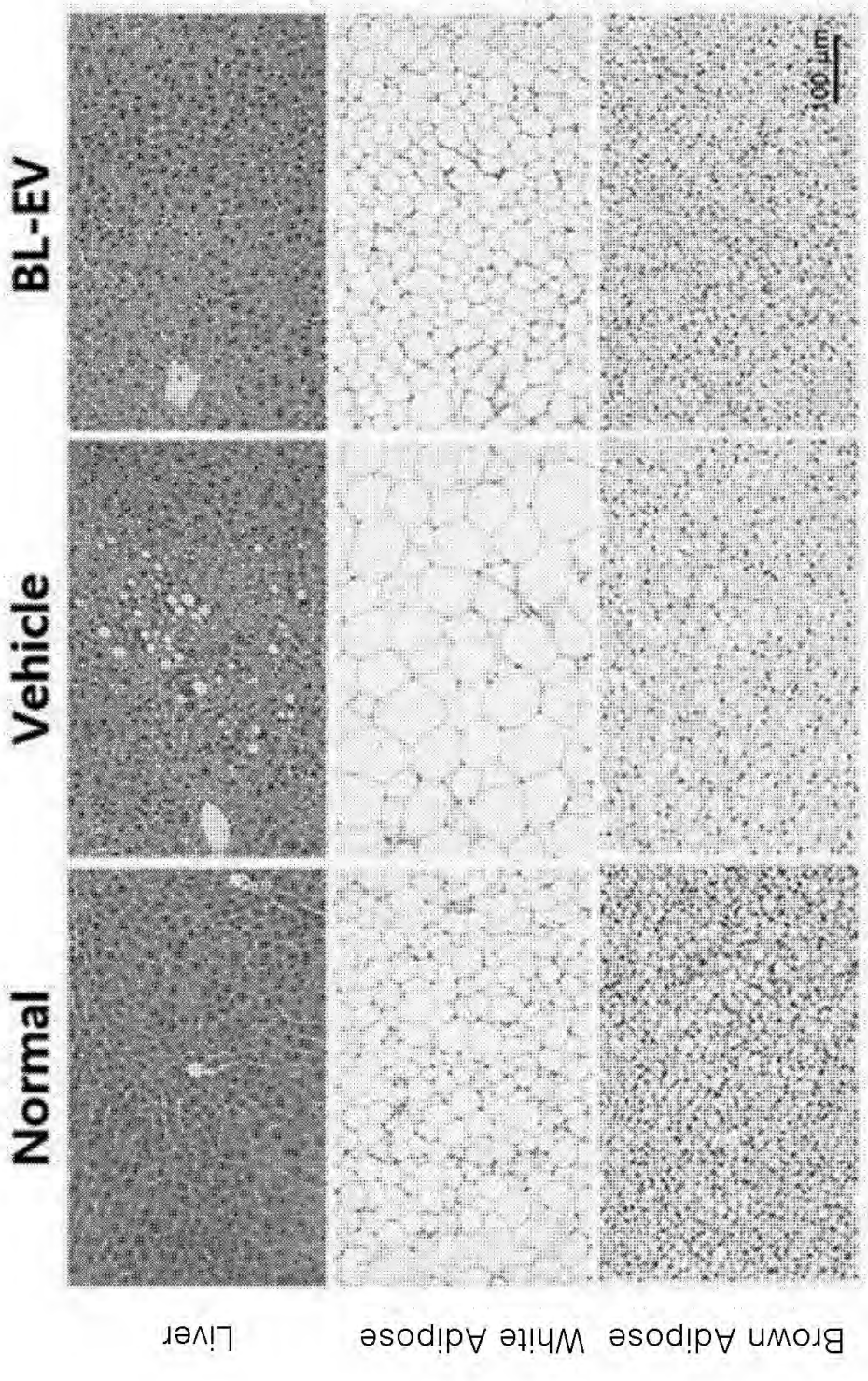

Normal
Vehicle
BL-EV
Liver
White Adipose
Brown Adipose
100 μm

FIG. 3G

FIG. 4A

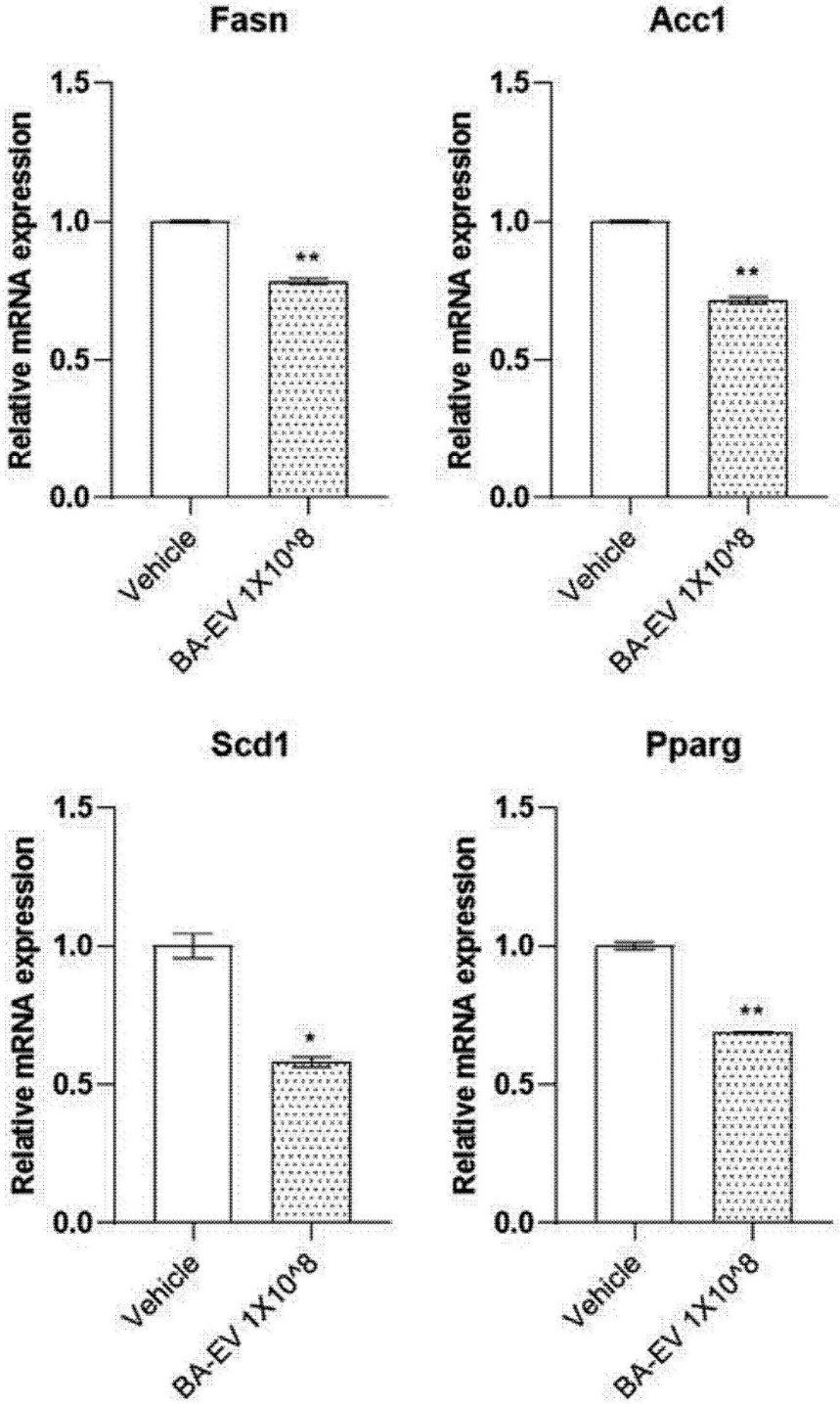

Fasn
Acc1
Scd1
Pparg
Relative mRNA expression
1.5
1.0
0.5
0.0
**
*
Vehicle
BA-EV 1X10^8

FIG. 4B

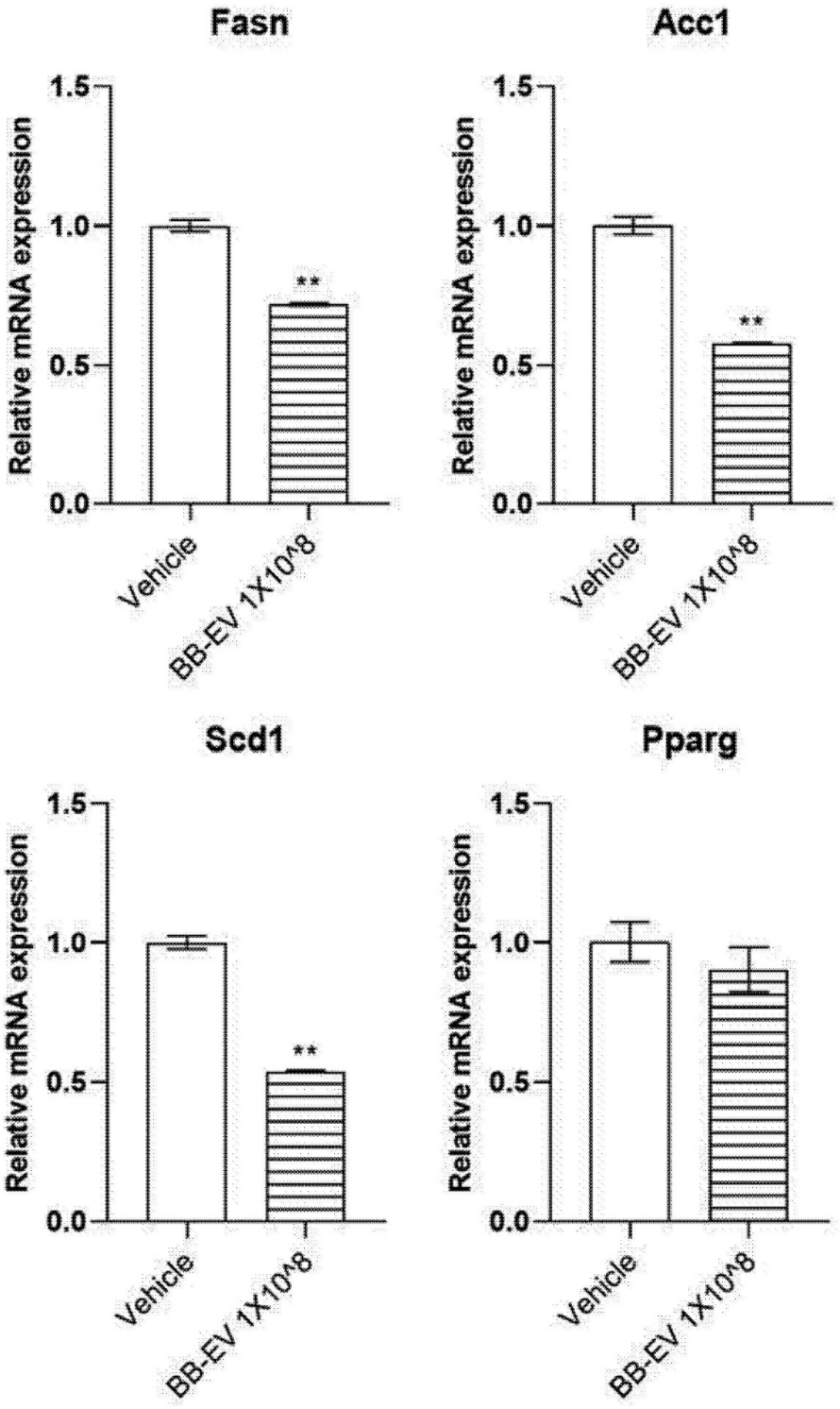

Fasn
Acc1
Scd1
Pparg
Relative mRNA expression
1.5
1.0
0.5
0.0
**
Vehicle
BB-EV 1X10^8

FIG. 4C

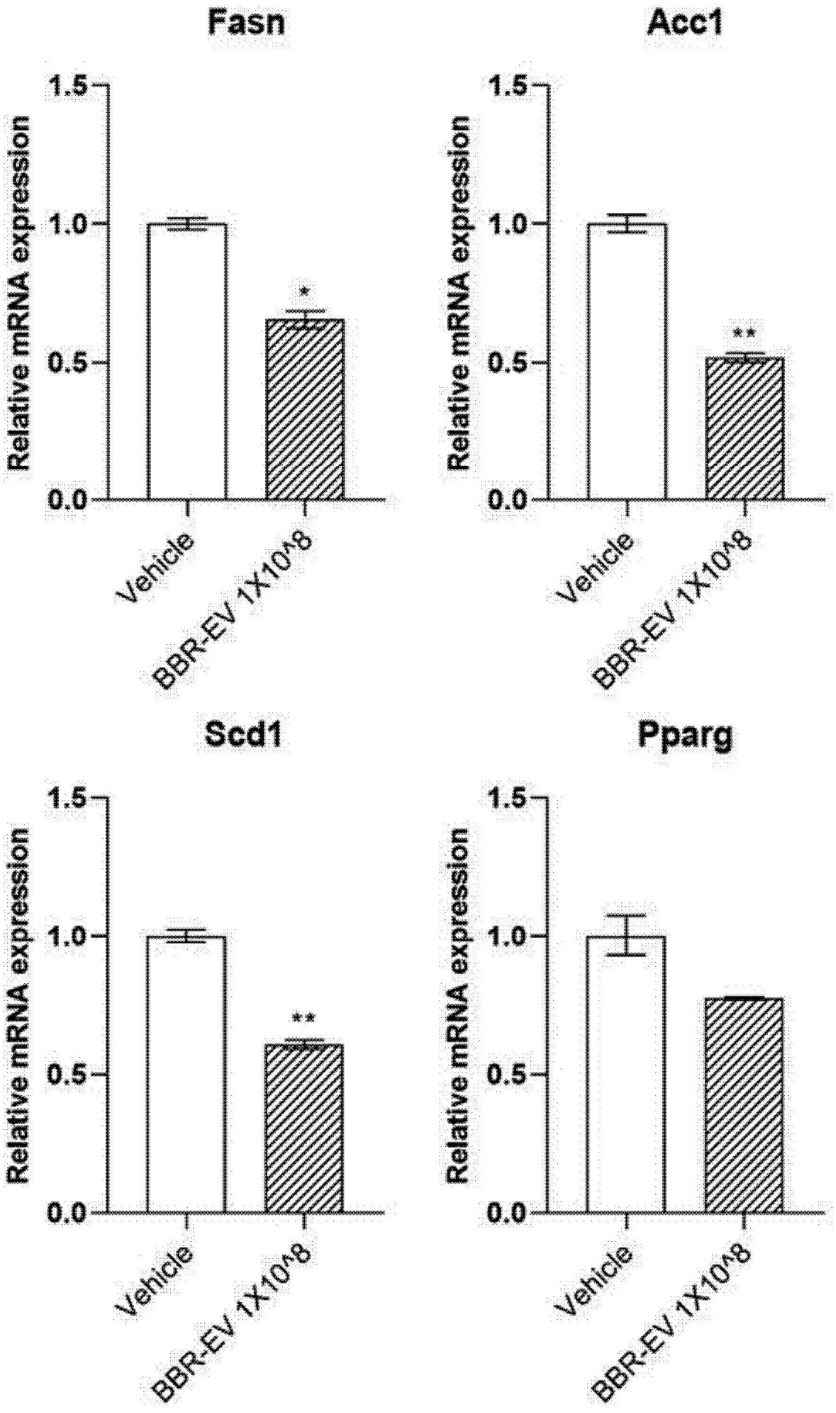
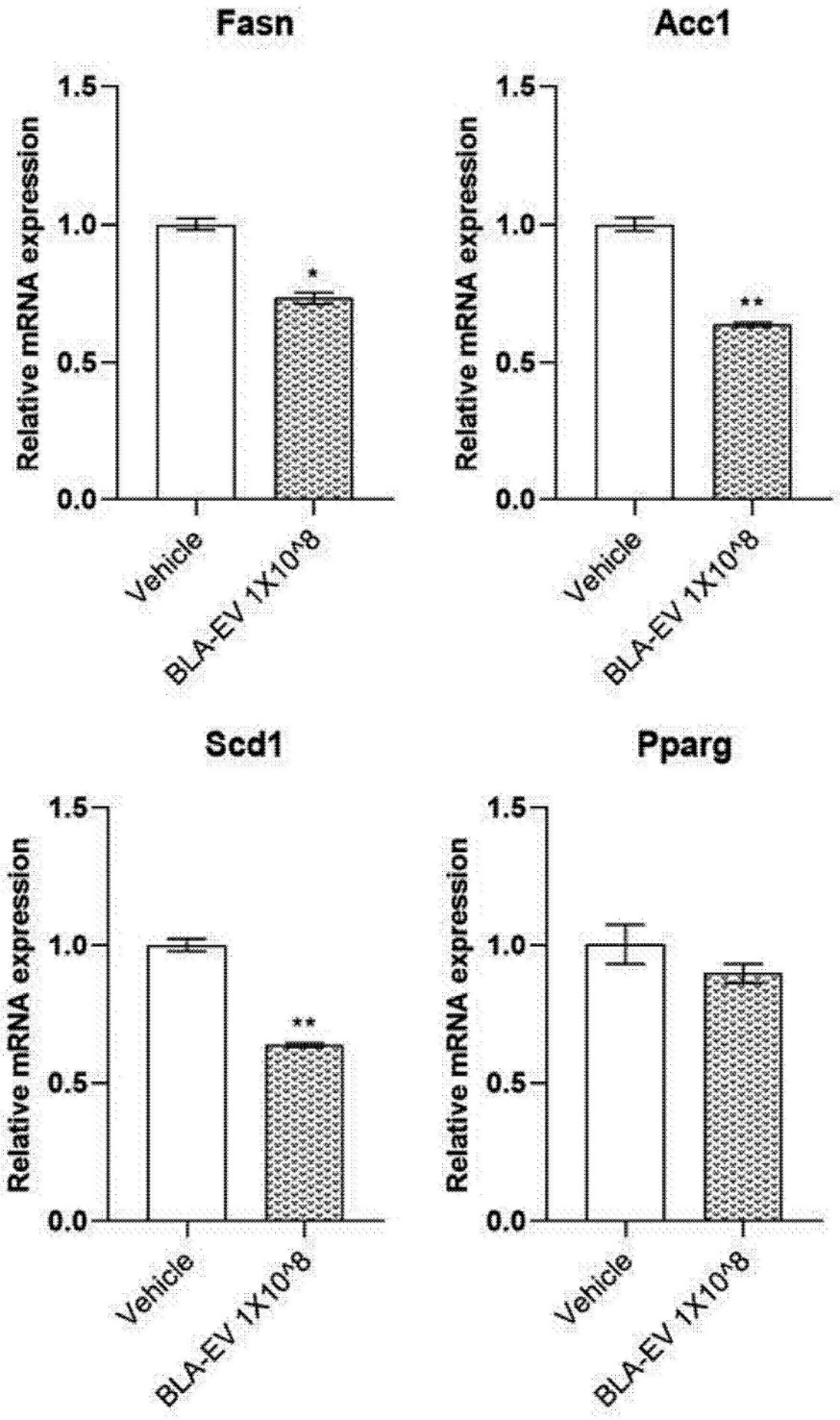

Fasn
Acc1
Scd1
Pparg
Relative mRNA expression
1.5
1.0
0.5
0.0
*
**
Vehicle
BBR-EV 1X10^8

FIG. 4D


Fasn
Acc1
Scd1
Pparg
Relative mRNA expression
1.5
1.0
0.5
0.0
*
**
Vehicle
BLA-EV 1X10^8