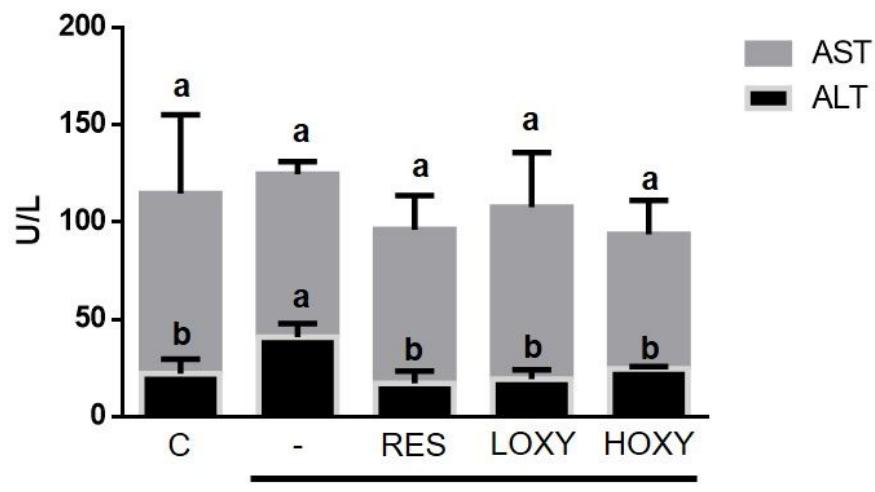
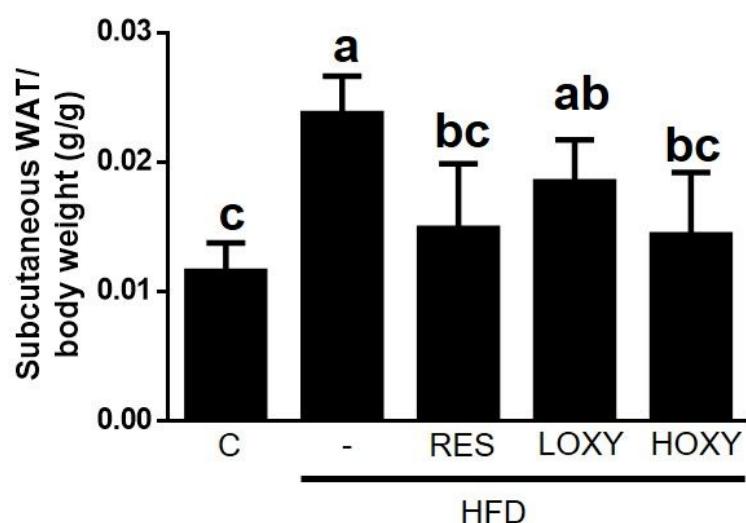


2 S.Fig.1. Experimental design and procedure

(A)



(B)



S.Fig.2. Effect of resveratrol and oxyresveratrol on (A) AST, ALT value and (B) relative weight of subcutaneous adipose tissue of HFD-induced obesity in C57BL/6 mice.
Different lower cases indicate significant difference ($p < 0.05$).

8 S. Table 1. Diet composition of different experimental groups.

	ND	HFD	RES	LOXY	HOXY
Lard (g)	-	245.4	245.4	245.4	245.4
Soybean oil (g)	-	27.2	27.2	27.2	27.2
Cholesterol (g)	-	5	5	5	5
CMC (ml) *	200	200	200	200	200
Resveratrol (g)	-	-	7.36	-	-
Oxyresveratrol (g)	-	-	-	1.48	7.36

*CMC = Carboxymethyl cellulose

10 S. Table 2. Nutritional distribution of different experimental groups.

	Nutrients (g/100g)	Nutrients (%)	Calories (kcal/100g)	Calories (%)
Normal diet (ND)				
Protein	23.9	23.9%	95.6	28.5%
Fat	5.0	5.0%	45	13.4%
Carbohydrate	48.7	48.7%	194.8	58.1%
Others	22.4	22.4%	-	-
High-Fat-Diet (HFD)				
Protein	18.7	18.7%	74.9	16.4%
Fat	25.4	25.4%	228.6	50%
Carbohydrate	38.3	38.3%	153.02	33.6%
Others	17.6	17.6%	-	-

12 S. Table 3. The effect of resveratrol and oxyresveratrol on subcutaneous adipocyte size of HFD-induced obesity in C57BL/6
13 mice.

Group	<1000 μm^2	1000-2500 μm^2	2500-5000 μm^2	5000-10000 μm^2	>10000 μm^2
ND	57.75 \pm 8.35 ^a	40.59 \pm 8.20 ^b	1.65 \pm 1.90 ^c	0.00 \pm 0.00 ^b	0.00 \pm 0.00 ^b
HFD	0.00 \pm 0.00 ^c	12.43 \pm 8.24 ^c	40.89 \pm 9.52 ^a	37.47 \pm 6.52 ^a	9.20 \pm 7.61 ^a
HFD+RES	45.07 \pm 12.63 ^a	49.30 \pm 10.51 ^{ab}	5.44 \pm 3.68 ^{bc}	0.19 \pm 0.46 ^b	0.00 \pm 0.00 ^b
HFD+LOXY	28.67 \pm 7.22 ^b	56.51 \pm 9.46 ^a	13.35 \pm 7.92 ^b	1.47 \pm 1.81 ^b	0.00 \pm 0.00 ^b
HFD+HOXY	48.01 \pm 7.51 ^a	48.56 \pm 7.72 ^{ab}	3.43 \pm 1.03 ^{bc}	0.00 \pm 0.00 ^b	0.00 \pm 0.00 ^b

(1) The result is shown as mean \pm S.D. The mean is calculated as number of adipocytes within the same range/total number of adipocytes within each image of H&E staining \times 100%.

(2) Values with different superscripts in each column are significantly different at $p < 0.05$.

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