

SUPPLEMENTAL MATERIAL. Do the effects of resveratrol on thermogenic and oxidative capacities in IBAT and skeletal muscle depend on feeding conditions?

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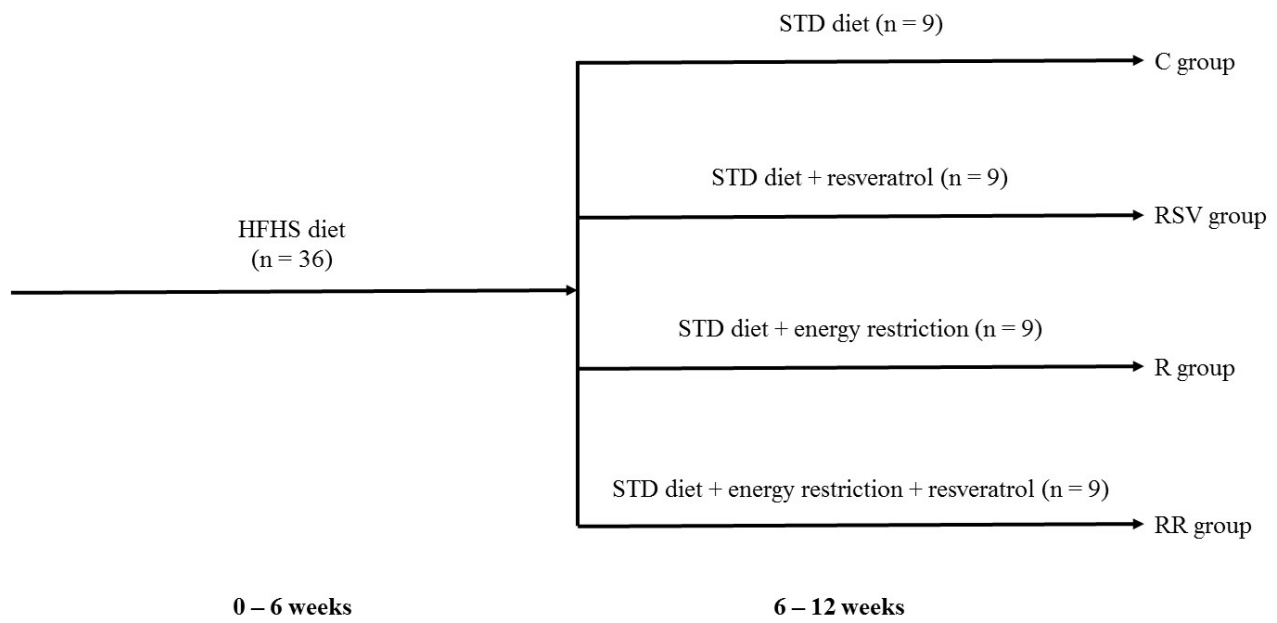


Figure S1. Timeline of the complete experimental period (12 weeks). HFHS = High-fat high-sucrose diet; STD = standard diet.

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- 1 **Table S1.** Composition of the experimental (A) High-fat High-sucrose and (B) Standard
- 2 control diets.
- 3 **A** (OpenSource Diets, Lynge, Denmark; Ref. D12451)

Ingredient	Weight (g)	Energy (kcal)
Casein, 80 Mesh	200	800
L-Cystine	3	12
Corn Starch	72.8	291
Maltodextrin 10	100	400
Sucrose	172.8	691
Cellulose, BW200	50	0
Soybean Oil	25	225
Lard	177.5	1598
Mineral Mix S10026	10	0
DiCalcium Phosphate	13	0
Calcium Carbonate	5.5	0
Potassium Citrate, 1 H ₂ O	16.5	0
Vitamin Mix V10001	10	40
Choline Bitartrate	2	0
FD&C Red Dye #40	0.05	0
Total	858.15	4057

1 **B** (OpenSource Diets, Lynge, Denmark; Ref. D10012G)

Ingredient	Weight (g)	Energy (kcal)
Casein, 30 Mesh	200	800
L-Cystine	3	12
Corn Starch	397	1590
Maltodextrin	132	528
Sucrose	100	400
Cellulose	50	0
Soybean Oil	70	630
t-Butylhydroquinone	0.014	0
Mineral Mix S10022G	35	0
Vitamin Mix V10037	10	40
Choline Bitartrate	2.5	0
Total	1000	4000

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1 **Table S2.** References of the antibodies used for western blot analyses.

Protein	Manufacturer	Catalogue reference
SIRT1	Abcam	ab110304
SIRT3	Santa Cruz	SC-365175
AMPK (Thr172)	Cell Signaling	#2535
AMPK	Cell Signaling	#2532
UCP1	Santa Cruz	SC-6529
UCP3	Santa Cruz	SC-7756
GLUT4	Santa Cruz	SC-1608
TFAM	Santa Cruz	SC-23588
NRF1	Abcam	ab175932
α Tubulin	Cell Signaling	#2125
PGC1 α	Abcam	ab54481
PPAR α	Abcam	ab24509
PPAR β/δ	Santa Cruz	SC- 7197
Histone H3	Cell Signaling	#9715
Mouse (IgG-HRP)	Santa Cruz	SC-2031
Rabbit (IgG-HRP)	Santa Cruz	SC-2004

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