Supporting Information Data File; Kavanagh et al. 2016

Regulators of Mitochondrial Quality Control Differs in Subcutaneous Fat of Metabolically Healthy and Unhealthy Obese Monkeys

Supporting Information Table S1. Characteristics of the laboratory chow diet fed to monkeys assessed as part of study.

Diet Ingredient	
Total Protein	18.2% of calories
Total Fat	13.1% of calories
Total Carbohydrates	68.7% of calories
Simple sugars	5.25% of calories
Cholesterol	0.75 ppm
Saturated Fat	4.02% of calories
Sodium	0.72 mg/kCal
Crude Fiber	> 6 %

Supporting Information Table S2.

Circulating concentrations of branched chain amino acids (BCAA; μ mol/L) in MHO and MUO vervet monkeys. Means with standard errors of the means shown in parentheses.

	Healthy Obese (n=6)	Unhealthy Obese (n=6)	p-value
Valine	152 (8.25)	165 (22.5)	0.62
Leucine	57.1 (9.18)	65.8 (15.7)	0.64
Isoleucine	108.1 (10.2)	101.0 (9.82)	0.63
Total BCAA	318 (22.1)	331 (44.6)	0.78

Supporting Information Figure S1.

Representative images and primary antibody details used to generate immunoblots from subcutaneous fat proteins from metabolically healthy and unhealthy monkeys.

MUO MHO

MICO MIIIO	
	Porin Abcam Cat# ab14734
	GAPDH Abcam Cat# mAbcam 9484
	Pink-1 Cell Signaling Technology Cat# 5660
-	Parkin Cell Signaling Technology Cat# 4211
	SIRT-1 Abcam Cat# ab7343
	SIRT-3 Abcam Cat# ab86671
	TFAM Abcam Cat# ab131607
-	OPA-1 Abcam Cat# ab42364
Em 200	Mfn-2 Abcam Cat# ab56889
	Fis1 Abcam Cat# ab71498
	PGC1-α Abcam Cat# ab54481
203 800	Mfn-1 Abcam Cat# ab57602
	Drp-1 Abcam Cat# ab56788
Sec. 10	Hsp70 Stressmarq Biosciences Cat# SMC-100B

Supporting Information Figure S2.

Representative histological images demonstrating A) fat cell size B) classically activated M1 macrophage staining by CD68 immunohistochemistry (Bar = $100 \, \mu m$) and C) example of an alternatively activated M2 macrophage by CD163 immunohistochemistry.

