ESM Table 2. Body composition and organ weight correlated to body weight of mice on a HFD

	Correlation to body weight - Statistics					
	a	**b**	**c**	**r**	**P-value[a]** zero slope	**P-value[a]** linear
Lean mass (g; n=36)	2.757	1.536e-004	20.60	0.9059	2.95E-15***	0.1206
Fat mass (g; n=36)	0.781	1.738	25.48	0.9517	7.75E-24***	0.1782
Liver weight (g; n=43)	5.123	3.160e-009	1.180	0.9424	3.94E-17***	3.12E-06***
Heart weight (g; n=26)	6.893	6.024e-014	0.1633	0.5734	2.70E-03**	0.1728
Spleen weight (g; n=35)	1	1.786e-003	0.0237	0.7271	5.07E-07***	1.000
BAT weight (g; 36)	1	0.01254	0.2645	0.9289	6.24E-16***	1.000
Gonadal FP weight[b] (g; n=54)	0.320	0.4411	26.21	0.7254	3.18E-11***	7.73E-04***
Subcutaneous FP weight[b] (g; n=54)	1	0.04113	-0.9205	0.9607	4.20E-26***	0.1620
Mesenteric FP weight (g; n=54)	1	0.0474	-1.084	0.8765	2.36E-20***	0.7785

Linear correlation: a=1; equation: $y = b \times x + c$

Non-linear power function with y-intercept: a>1; equation: $y = b \times x^a + c$

Non-linear power function with x-intercept: a<1 ; equation: $y = b \times (x-c)^a$

x=body weight; y=lean, fat or individual organ mass.

[a]p-value after bonferroni multiple test correction

[b]for gonadal and subcutaneous fat pad (FP) weight one of the two pads was used for calculations