

Additional File 1. Pearson correlation coefficients between *LEP* and *ADIPOQ* DNA methylation and mRNA levels in blood, subcutaneous (SAT) and visceral adipose tissue (VAT) and anthropometric variables (adjusted for age and sex) (n=73).

	Body Mass Index (kg/m ²)		Waist Circumference (cm)		Hip Circumference (cm)		Waist Hip Ratio	
	r	p	r	p	r	p	r	p
BLOOD								
<i>LEP</i> -CpG7	-0.252	0.03	-0.107	0.38	-0.197	0.10	0.116	0.34
<i>LEP</i> -CpG11	-0.234	0.05	-0.178	0.14	-0.214	0.07	0.060	0.62
<i>LEP</i> -CpG17	-0.151	0.21	-0.065	0.59	-0.157	0.19	0.104	0.39
<i>LEP</i> -Mean	-0.328	0.005	-0.167	0.16	-0.230	0.05	0.074	0.54
<i>ADIPOQ</i> -CpGE3 ^a	0.131	0.28	-0.152	0.21	-0.026	0.83	-0.104	0.39
SAT								
<i>LEP</i> -CpG7	0.059	0.62	0.141	0.24	0.068	0.57	0.082	0.50
<i>LEP</i> -CpG11	0.023	0.85	0.107	0.37	-0.007	0.95	0.137	0.26
<i>LEP</i> -CpG17	-0.091	0.45	0.063	0.60	-0.102	0.40	0.166	0.17
<i>LEP</i> -Mean	0.108	0.37	0.194	0.11	0.140	0.24	0.063	0.60
<i>LEP</i> mRNA levels	0.211	0.08	0.138	0.25	0.228	0.06	-0.090	0.46
<i>ADIPOQ</i> -CpGE1	0.265	0.03	0.364	0.002	0.205	0.09	0.168	0.16
<i>ADIPOQ</i> -CpGE3	0.192	0.11	0.304	0.010	0.234	0.05	0.054	0.66
<i>ADIPOQ</i> -Mean	0.250	0.04	0.361	0.002	0.201	0.09	0.160	0.18
<i>ADIPOQ</i> mRNA levels	-0.074	0.54	-0.128	0.29	-0.022	0.86	-0.101	0.41
VAT								
<i>LEP</i> -CpG7	0.107	0.37	0.002	0.98	0.048	0.69	-0.004	0.98
<i>LEP</i> -CpG11	0.045	0.71	0.080	0.505	-0.028	0.82	0.125	0.30
<i>LEP</i> -CpG17	-0.074	0.54	0.099	0.412	-0.007	0.95	0.088	0.46
<i>LEP</i> -Mean	0.037	0.76	0.116	0.33	0.022	0.86	0.101	0.40
<i>LEP</i> mRNA levels	0.119	0.32	0.173	0.15	0.038	0.76	0.142	0.24
<i>ADIPOQ</i> -CpGE1	-0.072	0.55	-0.046	0.71	-0.103	0.39	0.031	0.80
<i>ADIPOQ</i> -CpGE3	-0.141	0.242	-0.076	0.53	-0.058	0.63	-0.047	0.70
<i>ADIPOQ</i> -Mean	-0.105	0.38	-0.057	0.64	-0.106	0.38	0.024	0.84
<i>ADIPOQ</i> mRNA levels	-0.068	0.58	-0.075	0.54	0.003	0.98	-0.101	0.41

^aResults obtained after rank transformation of the DNA methylation levels
Values in bold type are statistically significant (p≤0.05)