Table S3. Association of the minor (A) allele of the rs9939609 SNP in *FTO* with age- and sex-standardised BMI, waist circumference, and body fat percentage in a random effects meta-analysis of up to 19,268 children and adolescents.

	All children				Inactive children				Physically active children			
Trait	N	beta (95% CI)	Р	I ²	N	beta (95% CI)	Р	I ²	N	beta (95% CI)	Р	I ²
BMI Z-score	19,268	0.10 (0.08, 0.12)	1.3x10 ⁻²¹	0%	2,594	0.09 (0.03, 0.15)	0.0045	0%	16,674	0.10 (0.08, 0.12)	1.3x10 ⁻¹⁸	0%
Waist circumference Z-score	8,638	0.11 (0.08, 0.13)	8.0x10 ⁻¹⁶	0%	1,067	0.12 (0.03, 0.20)	0.0070	0%	7,571	0.10 (0.08, 0.13)	9.6x10 ⁻¹³	0%
Body fat percentage Z-score	3,158	0.12 (0.09, 0.16)	1.8x10 ⁻¹¹	0%	306	0.17 (0.05, 0.30)	0.0059	0%	2,852	0.12 (0.06, 0.15)	6.6x10 ⁻¹⁰	0%

All models are adjusted for age and sex.

beta, difference in trait per minor allele of rs9939609 or a proxy (r²>0.8); 1², heterogeneity between studies in the association of rs9939609 with the trait