Supplement:

Bi-directional Sanger re-sequencing (primers: UCP3 F 5’-CCCTCCTGGGTAAGGAAGAG-3’; UCP3 R 5’-ACTAGCCCCTCCTTCCATGT-3’; chr11: 73,717,911 - 73,718,260, 350 bps) of the homologous *UCP3* regulatory element (chr11: 73,718,021 - 73,718,037) in 95 extremely obese children and adolescents and 96 underweight adult controls did not reveal a sequence variation in the DR SP element region. A non-synonymous SNP in *UCP3* 33 bps downstream of the regulatory element (rs8179180, Val9Met) was the only variant detected in the analyzed fragment. The minor allele frequencies were low in both cases (0.53%) and controls (1%).