

Supplementary materials

The results for the rs1421085 polymorphism

We tested the rs1421085 allele modification of the association between BMI and affective symptoms using the similar SEM framework to the main analysis. We considered rs1421085 C allele a high risk for higher BMI and affective symptoms in an additive genetic model.

The rs1421085 modification model specified in figure 1b had good fit in males (n = 1,236, CFI = .951, RMSEA = .039) and females (n = 1,233, CFI = .942, RMSEA = .043). In both sexes, the rs1421085 C allele was associated with higher BMI at age 11 years, but not with subsequent rates of change (Supplementary figure s2).