

Identification of genetic loci affecting body mass index through interaction with multiple environmental factors using structured linear mixed model

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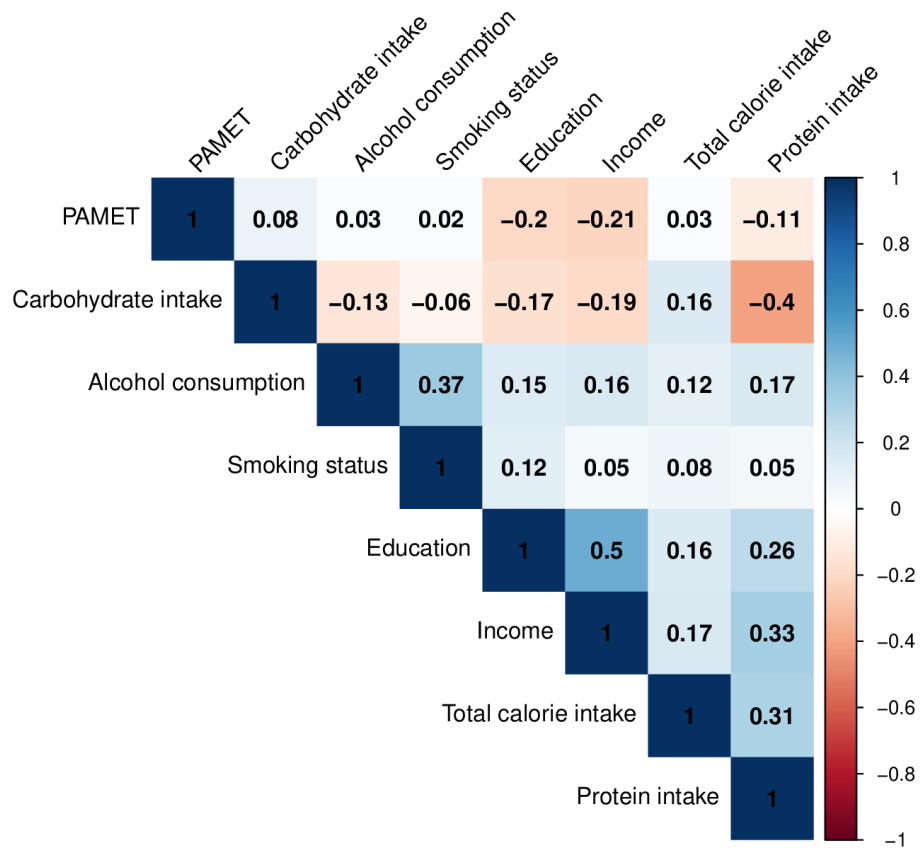
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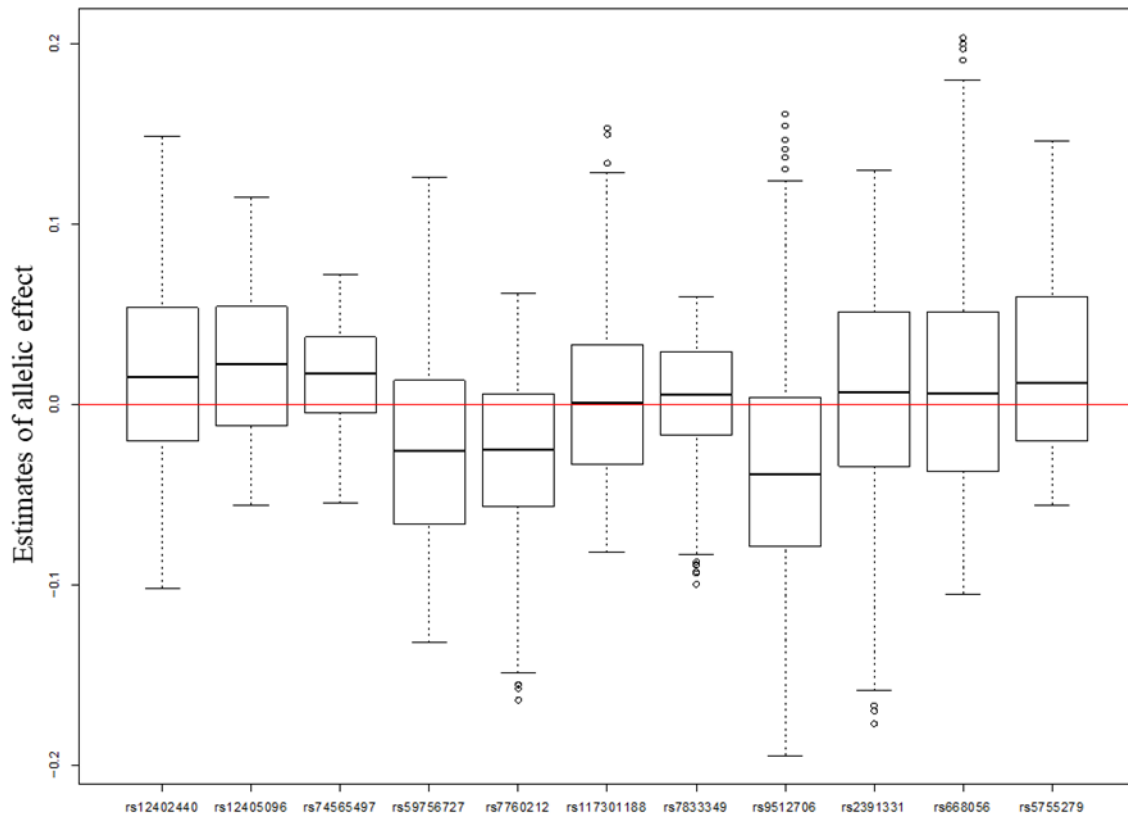
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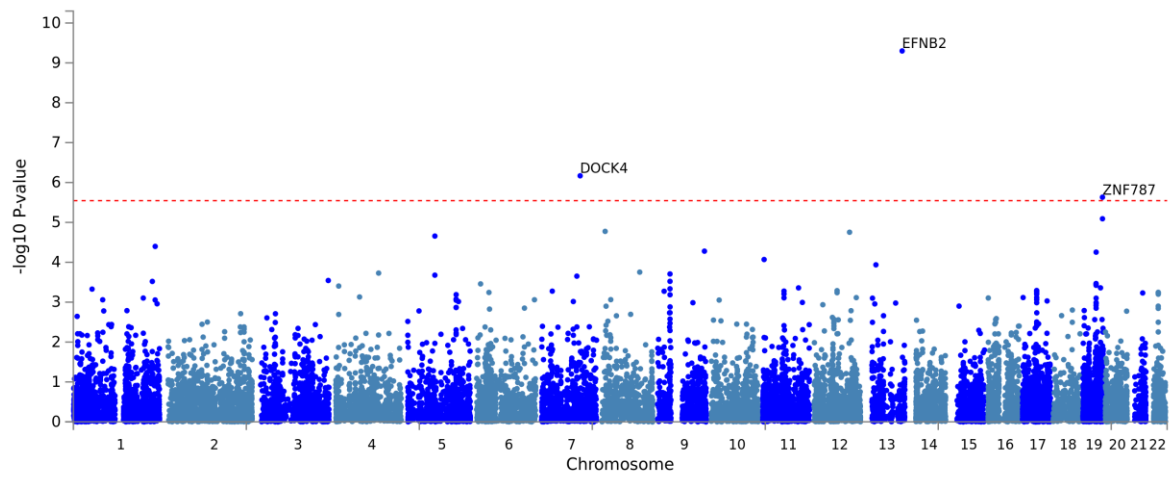
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Supplementary Figure 1. Shown are the correlation coefficients between pairs of environmental factors, considering 8 body mass index (BMI)-related factors.



Supplementary Figure 2. Distribution of allelic effect in population considering both the allelic genetic effect and the interaction effect for 11 potential single nucleotide polymorphisms (SNPs).



Supplementary Figure 3. Manhattan plots for gene-based genome-wide association analysis using MAGMA. The red line indicates the genome-wide significance threshold ($P\text{-value} < 2.85 \times 10^{-6}$).