





Association between maternal diet, smoking, and the placenta *MTHFR* 677C/T genotype and global placental DNA methylation

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Highlights

- Maternal coffee intake was associated with changes in the DNA methylation pattern of the placenta.
- Maternal smoking in early gestation was associated with decreased placental DNA methylation.
- The placental TT genotype of the MTHFR gene and maternal nutrition (folic acid and vegetables) was correlated with changes in the methylation pattern of the placenta.

Abstract

Introduction