

Research article

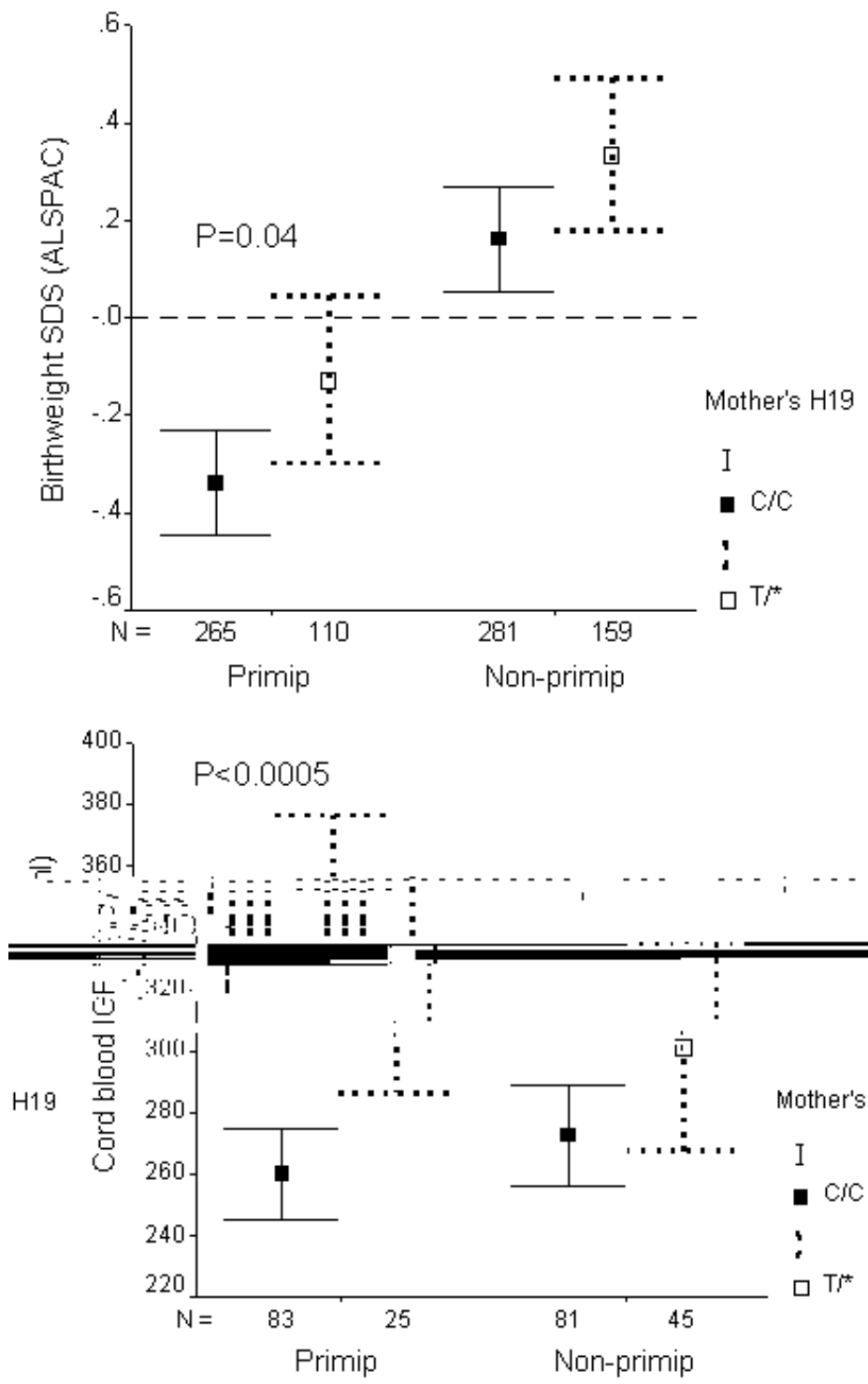
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**Common polymorphism in *H19* associated with birthweight and**

**Background**

**Associations with mother's H19 2992 genotype**

• H19 2992. . . . .



**Figure 1**  
 (A) Birthweight SDS (ALSPAC) and Cord blood IGF-1 levels. The top plot shows Birthweight SDS (ALSPAC) for Primip (N=265) and Non-primip (N=281) groups, comparing C/C (solid square) and T/\* (open square) genotypes. The bottom plot shows Cord blood IGF-1 for Primip (N=83) and Non-primip (N=81) groups, comparing C/C (solid square) and T/\* (open square) genotypes. Both plots include individual data points and 95% confidence intervals. P-values are 0.04 for Birthweight SDS and  $P < 0.0005$  for Cord blood IGF-1.



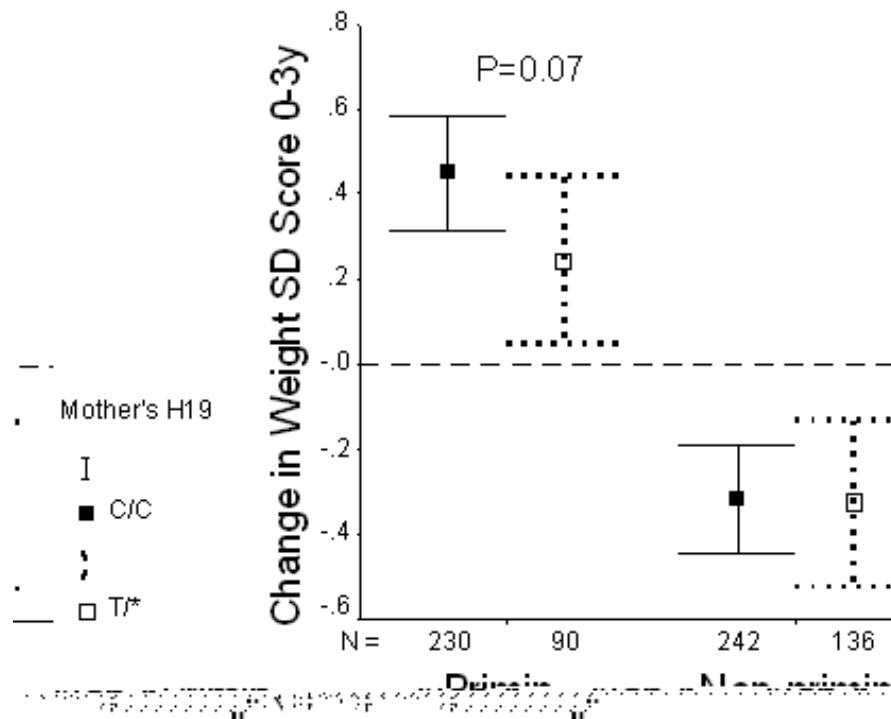
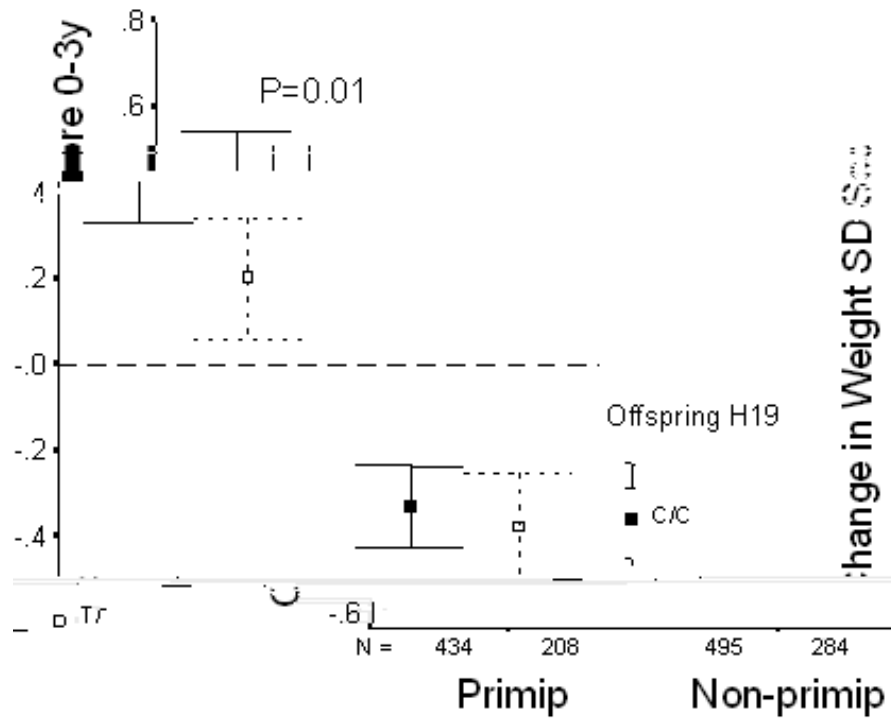


Figure 2

Figure 2 shows the change in Weight SD Score (0-3y) (A) and (B) H19 status (C) and (D) Mother's H19 status (E). The change in Weight SD Score (0-3y) is significantly lower in the Treated group compared to the Control group in the Primip group (P=0.01). The change in Weight SD Score (0-3y) is not significantly different between the Control and Treated groups in the Non-primip group (P=0.07). The change in Weight SD Score (0-3y) is significantly lower in the Treated group compared to the Control group in the Non-primip group (P=0.01).

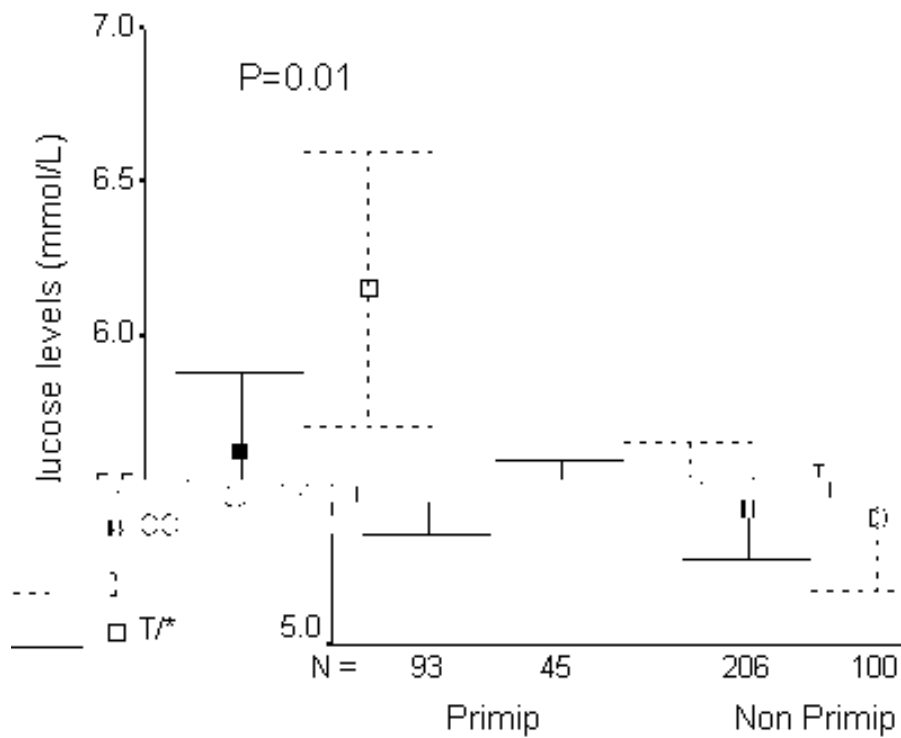
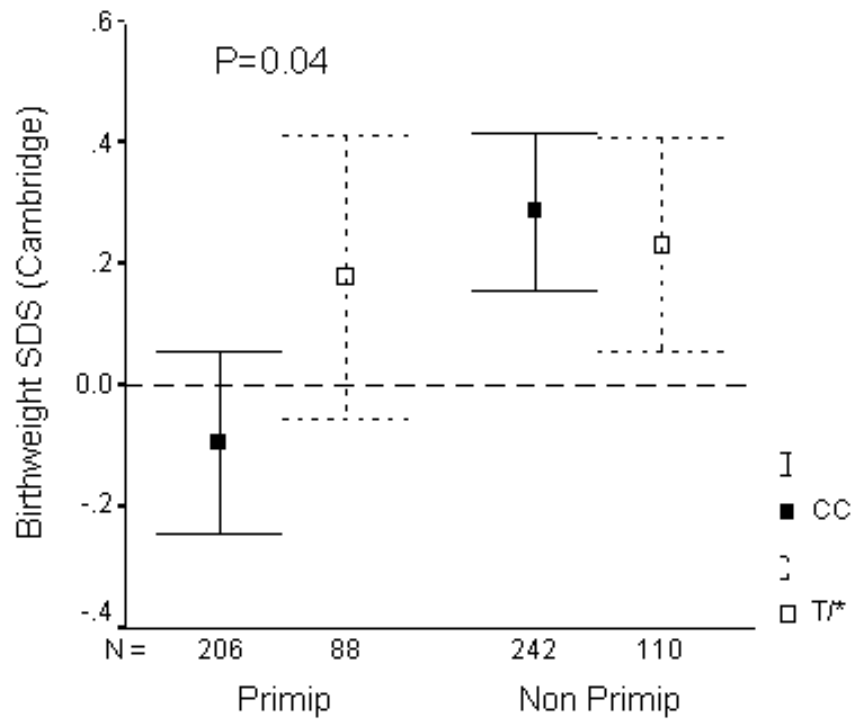


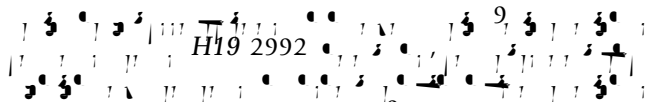
Figure 3

(A) Comparison of birthweight SDS (Cambridge) and glucose levels (mmol/L) between CC and T\* groups in Primip and Non Primip women. The p-values are 0.04 and 0.01, respectively. The 95% CI are shown for each group. The asterisk (\*) indicates a statistically significant difference between the groups.

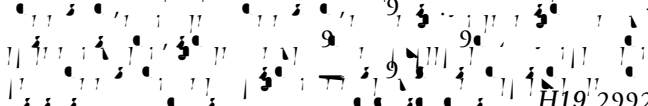
H19 2992



H19 2992



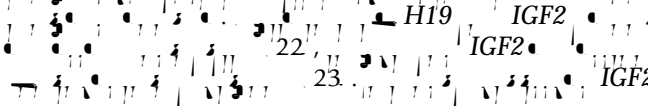
H19 2992



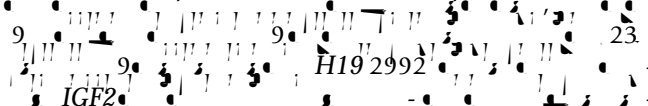
H19 IGF2



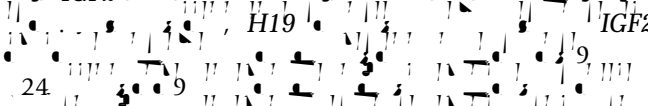
22. IGF2



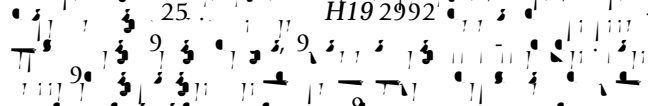
23. IGF2



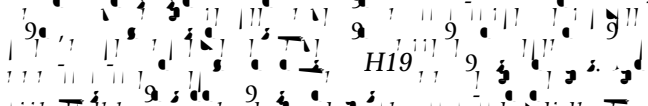
H19 2992



24. H19



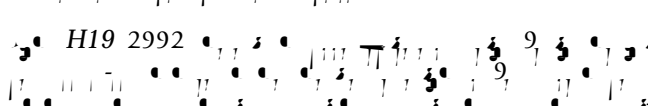
25. H19 2992



H19



26.



H19 2992



in utero









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