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"A Bayesian Method to Infer Haplotypes from Genotype Data"

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ABSTRACT

Haplotype information is important in genetic data analysis. A new statistical method has been proposed by M. Stephens et al. (2001) to reconstruct haplotypes from genotype data. Their method is Bayesian, which incorporates population genetics and coalescent theory into the prior. The algorithm will be described and the comparison with other methods will be shown via simulation studies. Finally the application of this method will be discussed.