



Evaluation an association study and spatial clustering methods applied to DNA data

Makoto Tomita*

Tokyo Medical and Dental University, Tokyo, Japan - mtomita@ism.ac.jp

In statistical genetics, SNPs, haplotype and diplotype are the major polymorphic markers in DNA data. Therefore, in recent years, the relative frequencies of different haplotypes have been estimated, their structures have been examined, and haplotypes have been used for association studies. We evaluated haplotype analyses, e.g., identification of haplotype blocks and haplotype association studies.

Keywords: SNPs data, DNA marker, maximum likelihood estimation, association study, haplotype.