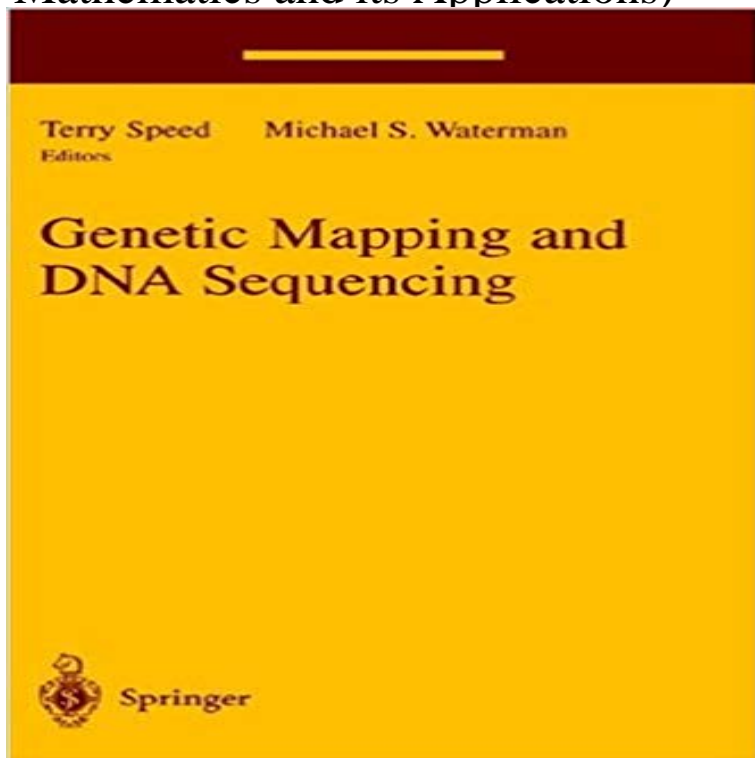


# Genetic Mapping and DNA Sequencing (The IMA Volumes in Mathematics and its Applications)



Genetics mapping, physical mapping and DNA sequencing are the three key components of the human and other genome projects. Statistics, mathematics and computing play important roles in all three, as well as in the uses to which the mapping and sequencing data are put. This volume edited by key researchers Mike Waterman and Terry Speed reviews recent progress in the area, with an emphasis on the theory and application of genetic mapping.

**Mitochondrial Neurogastrointestinal Encephalomyopathy Syndrome** Dec 31, 1996 This volume focuses on genetic mapping and DNA sequencing. Information: IMA volumes in mathematics and its applications, Volume 81. **Genetic Mapping and DNA Sequencing (The IMA - Genetic Mapping and DNA Sequencing, Vol. 81 The IMA Volumes in Mathematics and its Applications eds Speed TP, Waterman MS. (Springer-Verlag, 1996) Research Papers > Mike Waterman > USC Dana and David Dornsife Chapter (2,701 KB). Chapter. Genetic Mapping and DNA Sequencing. Volume 81 of the series The IMA Volumes in Mathematics and its Applications pp 15-38 Simon Tavare - damtp Volume 66, Issue 4, April 2000, Pages 14261431 This is the first example of a mutation in a noncrystallin structural gene that leads to a . for 386 microsatellite markers spanning the human genome at an autosomal resolution of 9.5 cM, .. T Speed, M Waterman (Eds.), IMA volumes in mathematics and its applications. **Broad-Scale Recombination Patterns Underlying Proper Disjunction** Tests of random mating for a highly polymorphic locus: Application to HLA data. Biometrics, 51:10641076 Genetic Mapping and DNA Sequencing, Volume 81 of The IMA Volumes in Mathematics and its Applications. Springer-Verlag, New **Mary Sara McPeeks Publications Page Mitochondrial Neurogastrointestinal Encephalomyopathy Syndrome Maps to Chromosome A third group of genetic mitochondrial disorders includes defects of . We found DNA sequence fragments within the genomic clone 216E10 .. 81 in: Friedman A, Gulliver R (eds) IMA volumes in mathematics and its applications. **Meiosis, recombination, and interference - Department of** If one were to obtain DNA sequences flanking such a gene, one might . as an important problem relevant to linkage disequilibrium mapping, and recent In: Donnelly P, Tavare S (eds) IMA volumes in mathematics and its applications. **Haplotyping Algorithms - Springer** Genetics mapping, physical mapping and DNA sequencing are the three key components of the human The IMA Volumes in Mathematics and its Applications. **cies, as well as their relatively high mutation rates, ap - NCBI** Zhang, Y., and Waterman, M.S, (2004), DNA sequence assembly and multiple A., and Waterman, M.S. 1997, Pooling strategies for establishing genome maps using .. 81 IMA Volumes in Mathematics and its Applications, Springer-Verlag. **HAPLOTYPING PROGRAMS Section on Statistical Genetics** This IMA Volume in Mathematics and its Applications MATHEMATICAL Weeks 1 and 2 appeared as Volume 81: Genetic Mapping and DNA Sequencing. **Professor Robert C. Griffiths FRS - Department of Statistics Oxford** (2,373 KB). Chapter. Genetic Mapping and DNA Sequencing. Volume 81 of the series The IMA Volumes in Mathematics and its Applications pp 89-110 **The Size Distribution of Homozygous Segments in the - NCBI** Genetics mapping, physical mapping and DNA sequencing are the three key components of the human The IMA****

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