

human molecular genetics 4th pdf

Molecular genetics is the field of biology that studies the structure and function of genes at a molecular level and thus employs methods of both molecular biology and genetics. The study of chromosomes and gene expression of an organism can give insight into heredity, genetic variation, and mutations. This is useful in the study of developmental biology and in understanding and treating ...

Molecular genetics - Wikipedia

Part of a series on Genetics Key components Chromosome DNA RNA Genome Heredity Mutation Nucleotide Variation Outline Index History and topics Introduction History Evolution (molecular) Population genetics Mendelian inheritance Quantitative genetics Molecular genetics Research DNA sequencing Genetic engineering Genomics (template) Medical genetics Branches of genetics Personalized medicine ...

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Note: On the molecular point of view, in all these three translocations, the gene MYC is juxtaposed either with the immunoglobulin heavy chain locus IGH (14q32), the kappa light-chain locus IGK (2p12), or the lambda light-chain locus IGL (22q11); all these translocations share a breakpoint in 8q24 (MYC locus).

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