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Nota di contenuto	Contents; PREFACE; CHAPTER 1 The Inheritance of Simple Mendelian Traits in Humans; DETECTING MENDELIAN INHERITANCE IN HUMANS; Test-Crosses and Pure Lines versus Pedigrees and Inferred Genotypes; Box 1.1 Early observations of Mendelian inheritance in humans; PATTERNS OF INHERITANCE AND EXAMPLES; Autosomal Dominant Traits; Autosomal Recessive Traits; X-Linked Recessive Traits; THE USE OF PEDIGREES TO PREDICT THE RESULTS OF MATINGS; Probability of Individual Genotypes; Probability of Group Outcomes; GATHERING DATA TO TEST THE MODE OF INHERITANCE OF A TRAIT Pooling Data from Many Families and Ascertainment Errors Ascertainment errors in studies of dominant traits; Ascertainment errors in studies of recessive traits; INHERITANCE OF MULTIPLE TRAITS: INDEPENDENT ASSORTMENT AND LINKAGE; Determination of Linkage from Human Pedigrees; Genetic Recombination and LOD Scores; Informative and Noninformative Matings; Neutral Polymorphisms, Marker Loci, and Genetic Maps; Box 1.2 Internet sites; The use of protein products to define marker loci; The use of directly detected DNA differences as marker lod EXAMPLE 1.1 Linkage of the Huntington's disease gene to an

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Sommario/riassunto

Molecular and Genetic Analysis of Human Traits will address the science student human genetics market. Although incorporating two basic themes: how do we establish that a trait is hereditary, and how is the human genome organized, it will also address relevant clinical examples and key related ethical issues. New attractive features have been added, including a chapter project, and end of chapter exercises which rely on real data. Each chapter includes end of chapter exercises, and references. In-text examples and internet references are cited. Most figur
