

两个基因座位的遗传平衡原理 Principle of Genetic Equilibrium for Two Gene Loci

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收稿日期 修回日期 网络版发布日期 接受日期

摘要

由于许多教科书中关于连锁平衡的介绍, 多是引用结论或是推导不太严谨, 使学生在学群体遗传学时对理解连锁平衡的原理感到困难。本文从遗传平衡的基本条件出发, 通过较严谨的数学推导, 介绍了两个基因座的连锁平衡条件、平衡过程等原理, 供教师和学生群体遗传学教学中参考。Abstract: Because linkage equilibrium is introduced by directly quoting the conclusions or imprecise mathematical reasoning in most of textbooks, many students are puzzled with the problem of linkage equilibrium when they learn population genetics. Based on the radical conditions of genetic equilibrium, the principle of linkage equilibrium condition and process, for two gene loci is introduced by precise mathematical reasoning. The article may provide reference to teachers and students in the teaching and learning of population genetics.

关键词 [群体遗传学](#) [教学](#) [遗传平衡](#) [连锁平衡](#) Key words [population genetics](#) [teaching](#) [genetic equilibrium](#) [linkage equilibrium](#)

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