

一例母|JUE||TI|及其亲子DNA指纹与血清蛋白、酯酶遗传的研究 A Genetical Study on DNA Fingerprints, Serum Protein and Esterase Contents in a Case of Female Hinny and Her Offspring

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摘要 采用DNA指纹分析和聚丙烯酰胺凝胶电泳法, 对一例与公驴交配生育了后代的母|JUE||TI|后代进行了亲缘
鉴定和血清蛋白、酯酶遗传的分析。结果可以认定其亲子关系并证实母骡生育的事实。虽然本例母|JUE||TI|的
后代在Pr、Al、Pa和Hb、Es等基因座位上的基因表达倾向于驴, 但其外貌仍明显地带有种间杂种的特征。因此, 尚
不能简单地认为其已“回归”为纯种的驴。

Abstract: By adopting DNA fingerprints analysis and polyacrylamide gel electrophoresis
simultaneously, the author made an genetical study on analytical evaluation of kindred relationship
and contents of serum protein and esterase of a female hinny and her offspring bred after her
mating with a masculine ass. As a result, the parental relationship together with the child-bearing
fact of the hinny is hereby clearly verified. The appearance of the offspring, however, still showed
some prominent characters of interspecific hybrid, though in the gene demonstration the offspring was
proved inclining to the ass especially on those gene loci as Pr, AL, Pa, Hb and Es. Therefore, in the
author's opinion, the offspring could not be simply regarded as a "regressed" ass pure-line.

关键词 [骡\(或JUE||TI\)](#) [种间杂种](#) [DNA指纹](#) [亲缘鉴定](#) [血清蛋白型与酯酶型](#) **Key words** [Hinny](#)
[Interspecific hybrid](#) [DNA fingerprints](#) [Evaluation of kindred relationship](#) [Serum protein](#) [Esterase models](#)

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