

泰和乌骨鸡的核型与带型研究 **Studies on Taihe Silkies' Karyotype and Band Pattern**

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摘要 采用外周血淋巴细胞培养—空气干燥法,对泰和乌骨鸡染色体核型和带型进行了研究。结果表明:泰和乌骨鸡体细胞染色体数目 $2n=78$,染色体基本臂数 $AF=90$,1、9号染色体及Z、W性染色体为中央着丝粒(m)染色体,2、4、7号染色体为亚中央着丝粒(sm)染色体,3、6、8、10号染色体为端着丝粒(t)染色体。G带研究表明:前10对大型染色体可分为29个区,190条带。C带处理发现,所有母鸡分裂相中W性染色体都出现C带并整条深染。Ag-NORs研究发现:Ag-NORs常定位于1、2号常染色体短臂和Z性染色体短臂端部;Ag-NORs数目分布范围为1~6;平均每个细胞的Ag-NORs数在雌、雄鸡中分别为2.94和2.96。

Abstract:This study made the chromosome slides of Taihe Silkies by the peripheral blood lymphocyte culture-drying method,and analyzed Taihe Silkies karyotype and band pattern.The results are as follow:The diploid chromosome number of Taihe Silkies was $2n=78$,the basic number of chromosome arms was $AF=90$ and the sex chromosome type was $ZZ(\delta)/ZW(\varphi)$.According to the measured relative length,arm ratio and centromeric index,the first 10 pairs of macro-chromosomes are described as follows:No.1,9 and Z,W chromosomes were metacentrics,No.2,4,7 were submetacentrics,and No.3,6,8,10 were telocentrics.Studies on Taihe Silkies' G-band showed that the first 10 pairs of macro-chromosomes can be divided into 29 zones and 190 bands.Being treated by C-banding technique,a totally dark-stained and easily indentified W-chromosome always showed up in the female metaphase configurations.Ag-NORs were located in the short arms' telomere of No.1,2 euchromosomes and Z sexchromosome,the Ag-NORs number varied from 1-6.

关键词 [泰和乌骨鸡](#) [核型](#) [G带](#) [C带](#) [Ag-NORs](#) **Key words** [Taihe Silkies](#) [karyotype](#) [G-banded pattern](#) [C-banded pattern](#) [Ag](#)

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