

DNA指纹图带与鸡的蛋重性状的遗传相关分析 Genetic Correlation Analysis Between DNA Fingerprint Bands and Egg Weight Trait of Chickens

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摘要 用蛋重大的和蛋重小的北京白鸡做亲本交配获得F1代个体,再用F1代个体交配得125只F2代个体。以人源小卫星DNA33.6做探针以上述125只鸡进行DNA指纹分析,发现其中两条指纹图带与蛋重性状有关,经简单线性相关分析表明,这两条图带(D6.2和D6.3)的出现频率与蛋重的相关系数分别为-0.80和-0.81。

Abstract: Beijing White Chickens laying larger eggs and those laying smaller eggs were used as parental individuals for mating to produce the F1 progeny and then the F1 progeny individuals were mated to produce 125 individuals of the F2 progeny. Two bands associated with the egg weight trait were identified by DNA fingerprints of the 125 individuals generated with human minisatellite probe 33.6. The simple linear correlation analysis showed that the coefficients of correlation between frequencies of the two bands(D6.2 and D6.3) and egg weights are -0.8 and -0.81.

关键词 [DNA指纹图](#) [蛋重性状](#) [遗传相关](#) **Key words** [DNA fingerprints](#) [Egg weight trait](#) [Genetic correlation](#)

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