GENOMIA
genetic laboratory

Result certificate #012345

Determination of sex of birds

Customer: Jan Novák, Dlouhá 1, 30000 Plzeň, Czech Republic
Sample:
Sample: 08-12349
Date received: 01.01.2008
Sample type: feather

Information provided by the customer
Name: Zobáček CZ123456 DEMO
Latinname: Nymphicus hollandicus
Species: Korela chocholatá
Ring number: CZ123456
Sex: male
Date of sampling: 01.01.2008

Result: male

Explanation

The sample was examined to determining bird's sex by fragmentation analysis of PCR product or ARMS. The analysis consists in determining the genotype of CHD1 gene (chromo-helicase DNA binding protein). Sex of birds is determined by sex chromosomes Z and W. Hens are heterogametic; their genome contains ZW combination of sex chromosomes. Cocks are homogametic; their genome contains ZZ set of chromosomes. Based on the evidence of presence or absence of W chromosome (W chromosome specific sequences) sex of unknown individuals can be determined.

Method: SOP18A, analysis of length of PCR fragments CHD1 gene

Date of issue: 06.01.2008
Date of testing: 12.06.2008 - 06.01.2008
Approved by: Mgr. Martina Šafrová, Laboratory Manager

verified and certified document
GENOMIA genetic laboratory

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SAMPLE