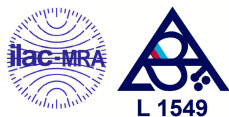


Detection of c.1473+1G>T mutation in ADAMTS17 gene causing PLL disease in dogs by DNA sequencing



Customer

Sallie Pifer
662 Westchestr Dr.
48732 Caro
United States

Details of animal

Sample: 10-28006
Animal: Tiger Lilly
Breed: Chinese Crested Dog
Reg. number: -
Microchip: -
Year of birth: 2007
Sex: female
Date received: 08.10.2010
Sample type: buccal swab

Result: Mutation was not detected (N/N)

Explanation

Presence or absence of c.1473+1G>T mutation in ADAMTS17 gene causing PLL disease (primary lens luxation) in different dog breeds was tested. PLL is an eye defect connected with dislocation of the lens caused by defective fixation of the lens zonules or suspensory fibres. Disease occurs dogs of different age, even results in blinding.

The general inheritance of PLL is considered autosomal recessive and therefore the disease does not develop in the most carriers of ADAMTS17-mutation during their lives. Nevertheless, for carriers of c.1473+1G>T mutation the risk of development of PPL is higher. The risk depends on the specific breed or genetic background of the individual dogs. The genetic examination performed neither excludes the possibility of other PLL-form nor reveals the development of the disease in carriers of the mutation.

Method: SOP45, unaccredited method

Report date: 15.10.2010

Responsible person: Mgr. Markéta Dajbychová, Veterinary Laboratory Manager

A handwritten signature in blue ink, which appears to read 'Dajbychová'.