

Result certificate #070119:

Sample

Sample: 15-27317
Name: JULIA ROBERTS LINEA LUNA
Breed: Jack Russell Terrier
Tattoo number: 139A
Microchip: 967000009375542
Reg. number: ČLP/JRT/2281
Date of birth: 29.6.2011
Sex: female
Date received: 08.10.2015
Sample type: buccal swab
Sample certified by Vet/Tech or witness.

**Detection of c.1473+1G>A mutation in
ADAMTS17 gene causing PLL disease in
several dog breeds by HRMA**

Customer

Ladislav Frnčo
Bílovice 99
79841 Kostelec na Hané
Czech Republic

Result: Mutation was not detected (N/N)

Explanation

Presence or absence of c.1473+1G>A 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>A 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: SOP106, accredited method

Report date: 09.10.2015

Responsible person: Mgr. Kateřina Štampachová, Analyst

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Genomia s.r.o, Janáčkova 51, 32300 Plzeň, Czech Republic
www.genomia.cz, laborator@genomia.cz, tel: +420 373 749 999

