

Result certificate #069352:

Detection of g.85286582_85286583insC mutation causing hereditary cataract in several dog breeds by fragment analysis

Sample

Sample: 15-40339
Name: Andorra La Vella Rascal Bull
Breed: Staffordshire Bull Terrier
Microchip: 900 182 000 234 795
Reg. number: SPKP 1045
Date of birth: 20.10.2012
Sex: female
Date received: 14.09.2015
Sample type: buccal swab
Sample certified by Vet/Tech or witness.

Customer

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Result: Mutation was not detected (N/N)

Legend: N/N = wild-type genotype. N/P = carrier of the mutation. P/P = mutated genotype (individual will be most probably affected with the disease). (N = negative, P = positive)

Explanation

Presence or absence of mutation g.85286582_85286583insC in HSF4 gene causing hereditary cataract (HC) in Staffordshire bull terriers, French bulldogs and early onset HC in Boston Terriers was tested.

Mutation that causes HC in mentioned breeds is inherited in autosomal recessive trait. It means that the disease develops only in those dogs who inherit mutated allele from both parents; disease affects dogs with P/P genotype only. The dogs with N/P genotype are considered carriers of the disease (heterozygotes). In offspring of two heterozygous animals following genotype distribution can be expected: 25 % N/N, 25 % P/P and 50 % N/P.

Method: SOP25, accredited method

Report date: 22.09.2015

Responsible person: Mgr. Martina Šafrová, Laboratory Manager

Genomia is accredited according to ISO/IEC 17025:2005 under #1549.

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