

Result certificate #020576:

Sample

Sample: 12-13422
Name: ZURIA PRIME z Samotni Christa
Breed: American Staffordshire Terrier
Reg. number: A075
Microchip: -
Date of birth: 11.10.2010
Sex: female
Date received: 14.05.2012
Sample type: buccal swab
Sampling confirmed by veterinarian.

Detection of c.296G>A mutation in ARSG gene causing Neuronal Ceroid Lipofuscinosis in American Staffordshire Terrier and American Pit Bull Terrier by PCR-RFLP

Customer

Bożenna Pomierna
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Result: Mutation was not detected (N/N)

Explanation

Presence or absence of c.296G>A mutation in ARSG gene causing Neuronal Ceroid Lipofuscinosis (NCL) in American Staffordshire Terrier and American Pit Bull Terrier was tested. Mutation causing NCL in mentioned breeds is inherited as an autosomal recessive trait. That means the disease affects dogs with P/P (positive/positive) genotype only. The dogs with N/P (negative/positive) genotype are considered carriers of the disease (heterozygotes). In offspring of two heterozygous animals following genotype distribution can be expected: 25 % N/N (healthy non-carriers), 25 % P/P (affected), and 50 % N/P (healthy carriers).

Mutation testing was performed as a part of research population study. Testing was free of charge. Research was supported from private sources.

Method: SOP67

Report date: 15.05.2012

Responsible person: Mgr. Markéta Dajbychová, Deputy Laboratory Manager



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