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Result certificate #119589

Detection of CARD9 gene variant causing susceptibility to mycobacterium avium complex infection in Miniature Schnauzer

Sample
Sample: 18-32108
Name: Belmonte vom Schlosstheater
Breed: Schnauzer Miniature
Microchip: 276 095 610 122 294
Reg. number: VDH16ZS42006062
Date of birth: 19.01.2016
Sex: male
Date received: 26.11.2018
Sample type: blood
The identity of the animal has been checked by Jasmin Buhles – Tierärztin

Customer
Annemarie Hoffmann
Weiherstrasse 11
67659 Kaiserslautern
Germany

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 CARD9 gene variant causing susceptibility to mycobacterium avium complex (MAC) infection in Miniature Schnauzer was tested.

The polymorphism is recessively inherited. The increased susceptibility to MAC infection develops in dogs which inherit the variant gene from each parent (dogs with P/P result). The dogs with N/P genotype are considered carriers (heterozygotes), they are healthy but they can transmit the polymorphism on their offspring. Dogs with N/N genotype are without risk of MAC infection.

Method: SOP171-MAC, fragment analysis

Report date: 28.11.2018
Responsible person: Mgr. Markéta Dajbychová, Deputy Laboratory Manager

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