

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

**Sample**

Sample: 18-31637  
Name: Brünnhilde vom Schlosstheater  
Breed: Schnauzer Miniature  
Microchip: 276 095 610 119 557  
Reg. number: VDH16ZS42006064  
Date of birth: 19.01.2016  
Sex: female  
Date received: 06.12.2018  
Sample type: blood  
The identity of the animal has been checked by Dr. Ole Heinzelmann

**Customer**

Sonja Witte  
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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 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: 14.12.2018

Responsible person: Mgr. Martina Šafrová, Laboratory Manager



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