

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

Sample

Sample: 18-24523
Name: CARLSBERG
Breed: Schnauzer Miniature
Microchip: 941 000 019 533 876
Reg. number: PKR.II-128831
Date of birth: 24.VI,2016
Sex: male
Date received: 12.09.2018
Sample type: buccal swab

Customer

Monika Opoka
Gersona 20a, 3
30-818 Kraków
Poland

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: 13.09.2018

Responsible person: Mgr. Martina Šafrová, Laboratory Manager



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