

Customer: Jenny Joffer, Jobsbovaegen 21, 77733 Smedjebacken, Sweden

Sample:

Sample: 21-11574

Date received: 12.05.2021

Sample type: buccal swab

Information provided by the customer

Name: Jammings' Hola

Breed: Chinese Crested Dog

Microchip: 985 141 001 123 303

Reg. number: SE19640/2019

Date of birth: 2018 November 30

Sex: female

Date of sampling: 05.05.2021

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 c.1940delA in canine PDE6A gene causing PRA-rcd3 (Progressive Retinal Atrophy form Rod Cone Dysplasia 3) in Cardigan Welsh Corgi and Chinese Crested dog was tested. PRA-rcd3 is a cureless disease; affected individuals become usually blind in very early age.

Mutation that causes PRA-rcd3 in Cardigan Welsh Corgi and Chinese Crested dog is inherited as an autosomal recessive trait. That means the 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: SOP171-RCD3, fragment analysis

Date of issue: 18.05.2021

Date of testing: 12.05.2021 - 18.05.2021

Approved by: Mgr. Martina Šafrová, Laboratory Manager



Genomia s.r.o, Republikánská 6, 31200 Plzeň, Czech Republic
www.genomia.cz, laborator@genomia.cz, tel: +420 373 749 999

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