

## EVG molekularna diagnostika d.o.o.

Taborska ulica 8 · 2000 Maribor · Slovenia + 386 40 566 273 · info@eurovetgene.com

www.eurovetgene.com

**REFERENCE NO.:** 2023 - 053739/01

OWNER:

JENNY OLOFSSON KLÖVERGATAN 3 SE-284 38 PERSTORP

**SWEDEN** 

NAME/LABEL:

WILDERS DELICIOUS CANDY

**SPECIES: DOG** 

**BREED: CHINESE CRESTED DOG** 

**SEX:** FEMALE

MICROCHIP NO.: 752094100009096

**TATOO NO.:** NOT PROVIDED **PEDIGREE NO.:** SE37846/2019

## **GENETIC REPORT**

**SAMPLE:** BUCCAL SWAB

**SAMPLE TAKEN BY:** OWNER

**REQUESTED TEST:** PRIMARY LENS LUXATION (PLL)

**RESULT:** CLEAR (WT/WT)

## **COMMENT:**

The test examines presence or absence of ADAMTS17 gene mutation (c.1473+1G>A) described as the cause of primary lens luxation (PLL). PLL is characterized by lens displacement from the patellar fossa. It is typical for several terrier breeds and some other breeds with probable terrier co-ancestry. ADAMTS17 gene defect is inherited as an autosomal recessive trait.

Regarding to the presence of tested mutation animals are classified in three groups:

- Clear (wt/wt) mutation is not present, normal genotype
- Carrier (mut/wt) one of two alleles carries tested mutation, disease is not clinically manifested
- Affected (mut/mut) both alleles carry tested mutation, disease is clinically manifested

For each group different breeding strategies should be followed. Breeding of affected and carrier animals should be avoided. If particularly valuable animal is classified as affected, it should be bred only with clear animal. In such case, all first generation siblings will be carriers. If a carrier is bred with clear animal, 50% of siblings are expected to be clear. In case two carriers are bred, 25% of siblings are expected to be clear and 50% are expected to be carriers. However, 25% of siblings are expected to be affected, therefore such breeding practice is discouraged.

**AUTHORIZED SIGNATURE:** 

Molekularna diagnostika
EVG doo Taborska ulica & SI-2000 Maribor

MARIBOR, 02.02.2023

Results are valid for laboratory analysed samples only. Accuracy of the data about animal identity is the sole responsibility of the customer/owner. Laboratory is not responsible for false results which arise due to inaccurate animal identity data, false sample labels etc. To the extent the law allows, the maximal compensation for potential false result is limited to the invoiced amount. With the test it is not possible to rule out the presence of other genetic changes which might affect the development of the disease. Testing is performed according to the latest scientific knowledge.