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:
WILDEERS 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:

MARIBOR, 02.02.2023

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