EVG molekularna diagnostika d.o.o.
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REFERENCE NO.: 2020 - 33350
OWNER:
STOFFAES YAEL VERONIQUE
16 RUE D'HARDELOT
FR-62430 SALLAUMINES
FRANCE

NAME/LABEL:
DREAMLOVELYBULLS NOW OR NEVER
SPECIES: DOG
BREED: BULLDOG
SEX: FEMALE
MICROCHIP NO.: 250268501294936
TATOO NO.: NOT PROVIDED
PEDIGREE NO.: 28323/6907

GENETIC REPORT

SAMPLE: BUCCAL SWAB

SAMPLE TAKEN BY: OWNER

REQUESTED TEST: HYPERURICOSURIA (HU)

RESULT: CLEAR (WT/WT)

COMMENT :
The test examines presence or absence of SLC2A9 gene mutation (c.616G>T) described as the cause of hyperuricosuria (HU) in many dog breeds. The disease is characterized by an excessive excretion of uric acid into urine, leading to formation of uric acid stones. Hyperuricosuria 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, 07.08.2020

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