

Result certificate #049578:

Sample

Sample: 14-20817
Name: Kowalski Replay I
Breed: Labrador Retriever
Microchip: 941000015239225
Reg. number: LOE2165044
Date of birth: 16.04.2013
Sex: male
Date received: 30.07.2014
Sample type: buccal swab

Detection of TYRP1 (locus B) canine gene variants influencing coat color

Customer

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Result: B/B

Explanation

Presence of TYRP1 gene (locus B) variants c.991C>T (allele b^s), c.1033_1036delCCT (allele b^d) and c.121T>A (allele b^c) causing brown coat or nose color was examined. It is a set of locus B (Brown) alleles. Wild type allele is called B.

- If the result is B/B the individual does not carry brown color.
- If the result is B/b^c or B/b^d or B/b^s the individual carries brown color.
- If the result is b^c/b^c or b^d/b^d or b^s/b^s, the individual is brown colored.
- If the result is b^cb^s or b^cb^d or b^db^s or b^c;b^d;b^s the individual probably carries brown color or is brown colored. It is not possible to summarize locus B genotype without testing the parents, see more at <http://www.genomia.cz/en/test/locus-b-dog/>

Phenotype of b allele (brown color) is inherited as a autosomal recessive trait. This examination does not exclude existence of any unknown and rare variant of TYRP1 gene causing brown coat or nose color.

Final coat color is influenced by other loci (A, E, D, K).

Method: SOP42

Report date: 07.08.2014

Responsible person: Mgr. Barbora Bláhová, Analyst



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