

Sample

Sample: 18-09801
Name: Idar od Hájkovy lípy
Breed: Dachshund Standard Smooth-haired
Tattoo number: 89328
Microchip: 953 010 000 130 217
Reg. number: ČLP/J/89328/15
Date of birth: 14.6.2014
Sex: male
Date received: 10.04.2018
Sample type: blood
The identity of the animal has been checked by
MVDr. Filip Maceček

Customer

Jiří Cikryt
Dlouhé 56
592 55 Bobrová
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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 could be either carrier of brown color without brown color phenotype (genetic variants for brown color are inherited from one parent only) or is brown colored (genetic variants are inherited from both parents). 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: SOP132-TYRP1,173-TYRP1, PCR-RFLP

Report date: 13.04.2018

Responsible person: Mgr. Martina Šafrová, Laboratory Manager



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