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Sample
Sample: 18-09802
Name: Chessy od Hájkovy lípy
Breed: Dachshund Standard Smooth-haired
Tattoo number: 85561
Microchip: 900 008 800 232 187
Reg. number: ČLP/J/85561/13
Date of birth: 7.6.2012
Sex: female
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: m/m

Explanation

m - normal allele without merle, non-merle

Mx - merle allele, where x indicates the number of T in the polyT sequence - the longer the sequence is, the more significant merle phenotype is.

Merle phenotype can be expressed:
- length of polyT sequence ca. 35-62 T - cryptic merle (Mc)
- length of polyT sequence ca. 63-73 T - dilution merle (Md)
- length of polyT sequence ca. 74-85 T - merle (M)
- length of polyT sequence ca. 86 and more T - Harlequin (Mh)

The dog can be merle mosaic, ie. can carry several types of Mx alleles in its cells. In the result, the longest detected merle allele in the tested sample is indicated. Intergenerationaly, it may lead to shortening or expansion of the merle allele.

In general, it is not appropriate to mate dogs with Mx alleles together because of health risks.

Method: SOP176-merle, fragment analysis

Report date: 18.04.2018
Responsible person: Mgr. Martina Šafrová, Laboratory Manager

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