

Detection of c.52A>T and c.118G>A variants
in SOD1 gene causing degenerative
myelopathy in Bernese Mountain Dogs

Customer: EVG, D.O.O., TABORSKA ULICA 8, 2000 Maribor, Slovenia

Sample:

Sample: 20-35207

Date received: 18.12.2020

Sample type: DNA

Owner: Sara Stih, Kompolje 91, 1312
Videm-Dobrepolje

Information provided by the customer

Name: Antea

Breed: Bernese Mountain Dog

Microchip: 705 100 000 103 353

Reg. number: SLRBS001772

Sex: female

Result: N/N

SOD1A: not tested

SOD1B: Mutation was not detected (N/N)

Explanation

Presence or absence of c.52A>T (SOD1B) and c.118G>A* (SOD1A) variants in SOD1 gene causing degenerative myelopathy in Bernese Mountain Dogs was tested. Affected dogs have progressive loss of movement and gradual worsening of the condition up to complete paralysis.

Results codes:

- N/N dog does not carry any of tested variant
- N/SOD1A carrier of SOD1A
- N/SOD1B carrier of SOD1B
- SOD1A/SOD1A dog is in risk of DM
- SOD1B/SOD1B dog is in risk of DM
- SOD1A/SOD1B carrier of both variants; if each variant has been inherited from different parent, the dog is in risk of DM

It is not excluded, that other variant, that is associated with DM, will be found in the future.

* analysis of c.118G>A variant was performed by partner laboratory

Method: SOP173-DM-BMD, PCR-RFLP

Date of issue: 07.01.2021

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Approved by: Mgr. Martina Šafrová, Laboratory Manager



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