

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: 20-31407

Date received: 10.11.2020

Sample type: DNA

Owner: Peter Ražman, Stara Pot 20 6210
Sežana, Slovenia

Information provided by the customer

Name: Camay Snowflake Apasoma

Breed: Bernese Mountain Dog

Microchip: 945 000 006 059 033

Reg. number: SLRBS-001756

Sex: female

The identity of the animal has been checked by Dr. Anton Lavrenčič

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: 16.11.2020

Date of testing: 10.11.2020 - 16.11.2020

Approved by: Mgr. Martina Šafrová, Laboratory Manager



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