

**Customer:** Jan Novák, Dlouhá 1, 30000 Plzeň, Czech Republic**Sample:**

Sample: 21-12345

Date received: 01.02.2021

Sample type: blood

Information provided by the customer

**Name:** Lassie DEMO**Breed:** Plemeno

Tattoo number: 1392013

Microchip: 123 456 789 012 345

Reg. number: REGQ12345

Date of birth: 1.1.2020

Sex: female

Date of sampling: 01.02.2021

The identity of the animal has been checked.

**Result: PREVIEW RESULT LINE****Explanation**

The presence or absence of the AOD1 (Chr6:25681850T>G gene USP31), AOD2 (Chr6:25714052A>G gene USP31), AOD3 (Chr6:25819273A>C gene HS3ST2), AOD4 (Chr6:24500625G>T gene RBBP6) mutations, which are likely associated with an increased risk of hearing loss in Border Collies at an unusually young age (EAOD). Gradual hearing loss in Border Collies occurs on average between 3 and 5 years of age.

The resulting genotypes may be as follows:

- N/N: the individual does not carry any of the tested gene variants
- N/AOD1, N/AOD2, N/AOD3, N/AOD4: the individual carries one copy of the risk gene variant --> risk of developing early hearing loss
- AOD1/AOD1, AOD2/AOD2, AOD3/AOD3, AOD4/AOD4: the individual carries two copies of the risk gene variant --> risk of developing early hearing loss

The test result does not indicate whether the dog will actually develop the disease. It only predicts the possible risk of developing early hearing loss.

Method: SOP188-MPS-canine, MPS

Date of issue: 06.02.2021

Date of testing: 01.02.2021 - 06.02.2021

Approved by: Mgr. Martina Šafrová, Laboratory Manager

