

**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:** Mutation was not detected (N/N)**Explanation**

Presence or absence of c.1660\_1661insG mutation in ABCB4 gene causing Gallbladder Mucocoeles (GBM) in American and English Cocker Spaniels, Cairn Terriers, Shetland Sheepdogs and Pomeranians was tested. GBM is characterized by an excessive production of bile with a thick gelatinous consistency. The accumulation of this pathologically altered bile in the gallbladder results in its rupture and spillage of bile into the abdominal cavity. The resulting inflammation of the abdominal cavity is very painful for the patient and can be fatal. Common non-specific clinical signs include vomiting, lethargy, abdominal pain, anorexia, jaundice, rapid breathing, thirst and frequent urination, fever, diarrhoea, and bloating.

The inheritance of the mutation causing GBM is still unknown. The mutation was thought to be dominant with incomplete penetrance, nowadays a multifactorial mode of inheritance.

Method: SOPAgriseq\_canine, ngs, accredited method

Date of issue: 06.02.2021

Date of testing: 01.02.2021 - 06.02.2021

Approved by: Mgr. Martina Šafrová, Laboratory Manager



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Genomia s.r.o, Republikánská 6, 31200 Plzeň, Czech Republic  
www.genomia.cz, laborator@genomia.cz, tel: +420 373 749 999



Report verification code is: 12AB-CD34-GENO-MIA0-EFGH. You can verify report online at [www.genomia.cz](http://www.genomia.cz)

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