

Customer: Dušan Kollárik, Belá 33, 03811 Belá-Dulice, Slovak Republic**Sample:**

Sample: 23-01202

Date received: 23.01.2023

Sample type: buccal swab

Information provided by the customer

Name: GIANNA Bella Aurea**Breed:** Golden Retriever

Microchip: 941 000 023 870 583

Reg. number: SPKP 3603/21

Date of birth: 15.5.2019

Sex: female

Date of sampling: 19.01.2023

The identity of the animal has been checked by MVDr. Lenka
Blahušíaková, KVL 0814**Result: Mutation was not detected (N/N)****Legend:** N/N = wild-type genotype. N/P = carrier of the mutation. P/P = mutated genotype (individual will be most probably affected with the disease). (N = negative, P = positive)**Explanation**

Presence or absence of c.5716G>A mutation in COL7A1 gene causing Epidermolysis Bullosa in Golden Retrievers was tested. This is a skin disease characterized by the formation of blisters, abrasions, and scars all over the body. The skin is fragile, cornified and hard in places, and very susceptible to damage. Symptoms appear in new-born or very young puppies.

Mutation that causes Epidermolysis Bullosa in Golden Retrievers is inherited autosomally recessively which means that the disease develops only in those dogs who inherit mutated allele from both parents; disease affects dogs with P/P genotype only. The dogs with N/P genotype are considered carriers of the disease (heterozygotes). In offspring of two heterozygous animals following genotype distribution can be expected: 25 % N/N, 25 % P/P and 50 % N/P.

Method: SOPAgriseq_canine_TD, ngs

Date of issue: 06.02.2023

Date of testing: 23.01.2023 - 06.02.2023

Approved by: Mgr. Martina Šafrová, Laboratory Manager

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