

**Customer:** Marek Kučera, Na Betonce 1361/3, 15300 Praha 16- Radotín, Czech Republic

**Sample:**

Sample: 21-42683

Date received: 06.10.2021

Sample type: buccal swab

Information provided by the customer

**Name:** Andara Becoming Queen

**Breed:** German Pinscher

Microchip: 380 260 043 940 058

Reg. number: CMKU/NP/2346/-20/20

Date of birth: 28.02.2020

Sex: female

Date of sampling: 02.10.2021

The identity of the animal has been checked by Ing. Jana Kůsová,  
Genomia s.r.o.

**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.634\_635insN[76] mutation in G6PC gene causing Glycogenosis (GSD1a) in the German Pinschers was tested. Glycogenosis is a severe disorder of glycogen metabolism characterized by accumulation of glycogen, especially in the liver. Symptoms include severe liver enlargement, general failure to thrive, lethargy, coma and death.

Mutation that causes GSD1a is inherited as an autosomal recessive trait. That means the 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: SOP176-GSD1, ASA-PCR

Date of issue: 13.06.2025

Date of testing: 04.06.2025 - 13.06.2025

Approved by: Mgr. Martina Šafrová, Laboratory Manager



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Report verification code is: E154-84X8-7W42-8B3Y-F64H. You can verify report online at [www.genomia.cz](http://www.genomia.cz)

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The result refers only to the tested sample, as received. Genomia is not responsible for the accuracy of the information provided by the customer.